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Rev. 3  
Vol. 6

# **Richland Environmental Restoration Project Fiscal Year 2001-2003 Detailed Work Plan Program Management and Support**



United States  
Department of Energy

**Richland Environmental Restoration Project**  
**Fiscal Year 2001-2003 Detailed Work Plan**  
Program Management and Support

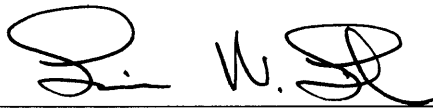


Richland  
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Office

## CONCURRENCE PAGE

**Title:** RICHLAND ENVIRONMENTAL RESTORATION PROJECT  
FISCAL YEAR 2001-2003 DETAILED WORK PLAN -  
PROGRAM MANAGEMENT AND SUPPORT

Lannie Lingle, Planning & Controls Manager, PM&S, BHI

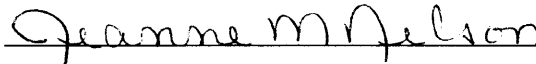


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Jeanne Nelson, RL

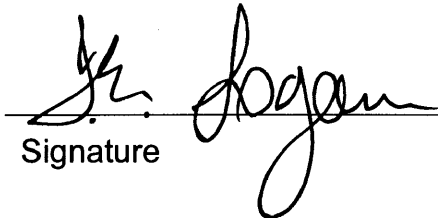


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Thomas Logan, Vice President, Operations, BHI



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# **Richland Environmental Restoration Project Fiscal Year 2001-2003 Detailed Work Plan Program Management and Support**

Date Published  
September 2000



**United States Department of Energy**

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**DESCRIPTION****OBJECTIVE**

The Program Management and Support (PM&S) effort addresses overall Environmental Restoration Contractor (ERC) program management; management systems development; information and data management; public and media relations; project procurement; records and document control; quality, safety, and health; independent assessment and environmental compliance; scientific, technical, and regulatory support; development of analytical laboratory and field screening procedures and methods; integrated sample and data management and data retrieval; and an allowance for non-project-specific equipment for the Richland Environmental Restoration (ER) Project. PM&S includes the staff necessary to establish and maintain systems to ensure the quality of these activities and deliverables; promote an injury-free workplace; ensure compliance with applicable laws and regulations; perform cost and schedule control in accordance with U.S. Department of Energy (DOE) policy and requirements; and identify and demonstrate new technology, program control, business management, and detailed cost estimating support.

**TECHNICAL CONTENT**

This work scope is performed by ERC personnel, and is budgeted through the PM&S Project Baseline Summary (PBS) ER10, formerly known as Activity Data Sheets (ADSs) 3400 and 3410. PM&S is composed of the following five project areas:

- Project Technical Support
- Program and Project Support
- Planning and Controls
- Compliance, Quality, Safety and Health (CQS&H)
- DOE, Richland Operations Office (RL) Program Management and Support.

Summarized below are the work scope activities planned for the next 3 years (fiscal year 2001 [FY01], FY02, and FY03).

**Project Technical Support:** Project Technical Support provides support to project activities to ensure that baseline milestones for the Hanford Site ER Project will be achieved. These activities include technical assistance on natural and cultural resources, risk assessment, maintenance of geohydrologic and geophysical procedures, administration of the data quality objective (DQO) process, regulatory support (including preparation and maintenance of applicable permits and documentation), on- and off-site laboratory analytical services, and field analytical strategies. Also included are environmental sampling activities, integrated sample and data management and data retrieval, selection and demonstration of new remediation technologies applicable to the Hanford Site ER Project, design engineering services (policy/guides/standards, procedures, nuclear safety, systems engineering), and program guidance to the radiological release program.

**Program and Project Support:** The Records and Document Center operates and maintains a Central Document Control Center, which includes tracking controlled correspondence and maintaining the ER Library and record retirement and retrieval systems. Public involvement and

**Program Management and Support**

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community relations efforts include planning and conducting public meetings, preparing fact sheets, coordination with the Hanford Advisory Board (HAB), providing ERC support to Hanford Reach communications, conducting facility tours, and implementing media relations and communications programs. These efforts directly support the Tri-Party Agreement, which specifically outlines the requirements for a community relations plan and public outreach. This group also responds to programmatic requests from DOE. Procurement activities involve establishment and/or rebid of infrastructure subcontracts; maintenance of the contractor purchasing system and procurement tracking system; and database maintenance for Small Business, Small Disadvantaged Business, and Women-Owned Business contracts with the ERC.

**Planning and Controls:** Planning and Controls includes Project Baseline Management, Project Services, Project Support, Bechtel Hanford, Inc. (BHI) Performance Measurement, and DOE Requests activities. Project Baseline Management includes strategic and long-range planning, baseline management and updates, and change control coordination and tracking, work plan development, coordination of updates to the Management Action Process document and Ten-Year Plan, development of the ER PBS for the Unified Field Budget Request, coordination of the monthly Procurement Tracking System (PTS) report and ER Project progress report, development and coordination of the mid-year and year-end presentations, and coordination of Tri-Party Agreement administrative activities. Project Services maintains the performance measurement reporting system, defines and maintains the project distributable rates, and prepares fiscal year funding reports. Project Support provides planning and controls support to the cost accounts within the PM&S project areas. Performance Measurement reflects the respective portion of the budget for the ERC performance and base fee.

**CQS&H:** The CQS&H group includes integrated environmental, safety, and health management; safety and health programmatic development and oversight; independent assessment; environmental legal support; and environmental compliance. Activities include the radiation protection program; industrial hygiene; industrial safety; safety programs coordination; fire protection; aviation safety; packaging and transportation safety; workers compensation; injury case management and medical surveillance; emergency preparedness; occurrence reporting; accident investigation; as low as reasonably achievable (ALARA) reviews; *Price-Anderson Amendment Act* (PAAA) implementation for quality assurance (QA); safeguards and security; and CQS&H reporting, corrective action tracking, and statistics.

**RL Program Management and Support:** RL directed PM&S is grouped into the following two subproject areas:

- **Remedial Action Program Management**

- ER Project Support Activities
- Site-Wide Services/Radiological Monitoring Support to Interstate Nuclear Services (INS) Laundry
- Laundry Support to ER Project (FY01 only. Transfers to PBS TP-13 Landlord in FY02)
- Electrical Support to ER Project
- Service Assessment Pool



**Program Management and Support**

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- Pacific Northwest National Laboratory (PNNL) Technical Library/Reading Room
- Benton County Sheriff's Office
- Natural Resources Damage Assessment Studies/Ecosystems Management.
- **Compliance Oversight (*Comprehensive Environmental Response, Compensation, and Liability Act* [CERCLA] Grant)**
  - Performing technical reviews of documents
  - Observing RL's investigation work
  - Reviewing documentation resulting from investigations
  - Examining toxicological assessments and ecological and qualitative risk assessments
  - Conducting ecological studies (scope, sample, document review)
  - Co-reviewing proposed plans
  - Confirming adherence to cleanup standards
  - Evaluating Columbia River data
  - Examining applications for new technology.

**ASSUMPTIONS**

Summarized below are the basic planning assumptions established by each of the ERC PM&S project areas that back up and substantiate the basis and foundation of the FY00-FY02 Detailed Work Plan (DWP).

**Project Technical Support**

- The DWP does not include restoration efforts due to the fire in the summer of 2000.
- The DWP does not include efforts for Hanford to become a National Monument.
- Support of sample and data management technical services is based on FY00 experience and on June 2000 sample projections of 10,400 samples.
- The air operating permit is issued in December 2000.
- It is assumed that Air Sampling and Soil Contamination Area (SCA) programs changes will have insignificant effect on project costs.

**Program and Project Support**

- Procedure Coordination will be maintained at current levels.
- Document Control Services will continue to be maintained at current levels until the end of the third quarter of FY01. Service will decrease thereafter as a result of imposition of a target for FY01.

**Program Management and Support**

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- The Environmental Resource Library will continue to operate until the end of the third quarter of FY01 and will then shut down as a result of imposition of a target for FY01.
- Records Management Services will continue at their current levels throughout FY01.
- ER public involvement activities will be integrated with other Hanford Site work through RL-IPI with the support of ER personnel. ER personnel will participate in HAB and HAB ER Committee meetings, up to 10 annually, for each entity. Travel is required for four HAB meetings that are not held in the Tri-Cities.
- Small, disadvantaged, women-owned business outreach programs will operate as in previous years. However, more emphasis on this program is anticipated from the DOE and the Small Business Administration.
- The PTS will be maintained at current levels of service and operations. Enhancements to the PTS software are not included in the DWP for FY01. It is anticipated that there will be no changes from the existing methods of operation.
- Additional Master Agreements to support the changing mix of needs for the various types of support to supplement in house resources will be established (e.g., Groundwater/Vadose Zone [GW/VZ]). PAAA/QA enhancements to construction subcontracts will require additional effort.

**Planning and Controls**

- No resources have been allocated to support changes associated with Phase II of the Multi-Year Work Plan (MYWP)/Long-Range Plan (LRP) update, including Work Breakdown Structure (WBS)/PBS restructuring. Guidance will not be available until September FY00. Upon receipt, a baseline change proposal (BCP) will be initiated for approval prior to commencing work activities.
- No significant changes in budgeting preparation/support requirements for FY01 over FY00 (PPL/Integrated Priority List [IPL] and budget submittal).
- No contract transition costs are included.
- PBS/IPABS/AVS and SDD (etc.) will be essentially the same as FY00; no additional allowance for system development/debugging is included; the same systems/tools used in FY00 are planned for FY01.
- No significant change in reporting requirements for FY01 over FY00 (DOE/DOE Headquarters [HQ], ERC) will occur.
- No allowance for major unplanned budget exercises above the DWP update activities is included.

**CQS&H**

- DOE-AMEW directions to ERC regarding structure/content of Integrated Safety Management System Description (ISMSD) will not change significantly.
  - Integrated Environment, Safety, and Health Management System (ISMS) policy/guidelines/ and book (DOE 450.4) will not change significantly.
  - DOE does not dictate use of a site-wide chemical tracking system.
  - The 100-NR Remedial Action Project will need a full hazards assessment.
  - The number of inspections by the Washington State Department of Ecology (Ecology) and the Washington Department of Health in FY01 will not increase over the number of inspections performed in FY00.
  - The number of oversight assessments by RL, HQ, and the Defense Nuclear Facilities Safety Board (DNFSB) will not increase more than 10% of those performed in FY00.
  - No contract changes as a result of either newly issued or significantly revised regulations (e.g., 10 [Code of Federal Regulations] CFR 834).
  - DOE does not mandate the use of a "Site Services Manual," necessitating significant changes.
  - Changes to release requirements as a result of DOE HQ initiatives will not require changes to instruments or methodology.
  - It is assumed that implementation of all changes due to the revisions to 10 CFR 835 will be completed in FY00 and there will be no significant cost impacts in FY01.
  - It is assumed that there will be no changes to the RadCon program or to RadCon drivers/ regulations that significantly affect project costs
- 

**Prepared By:** A. K. Smet

**ERC Project Manager:** L. W. Lingle

**DOE Project Manager:** J. M. Nelson

# Program Management and Support

## FY01 ACTION PLAN

### Program & Project Support

- Maintain the automated Procurement Tracking System (PTS) and small business program, support DOE-wide procurement process improvements, and continue the Balanced Score Card.
- Participate in public involvement activities.
- Provide project information to the public, media, and stakeholders.
- Provide records and document control services, including procedure coordination.

### Compliance, Quality, Safety & Health

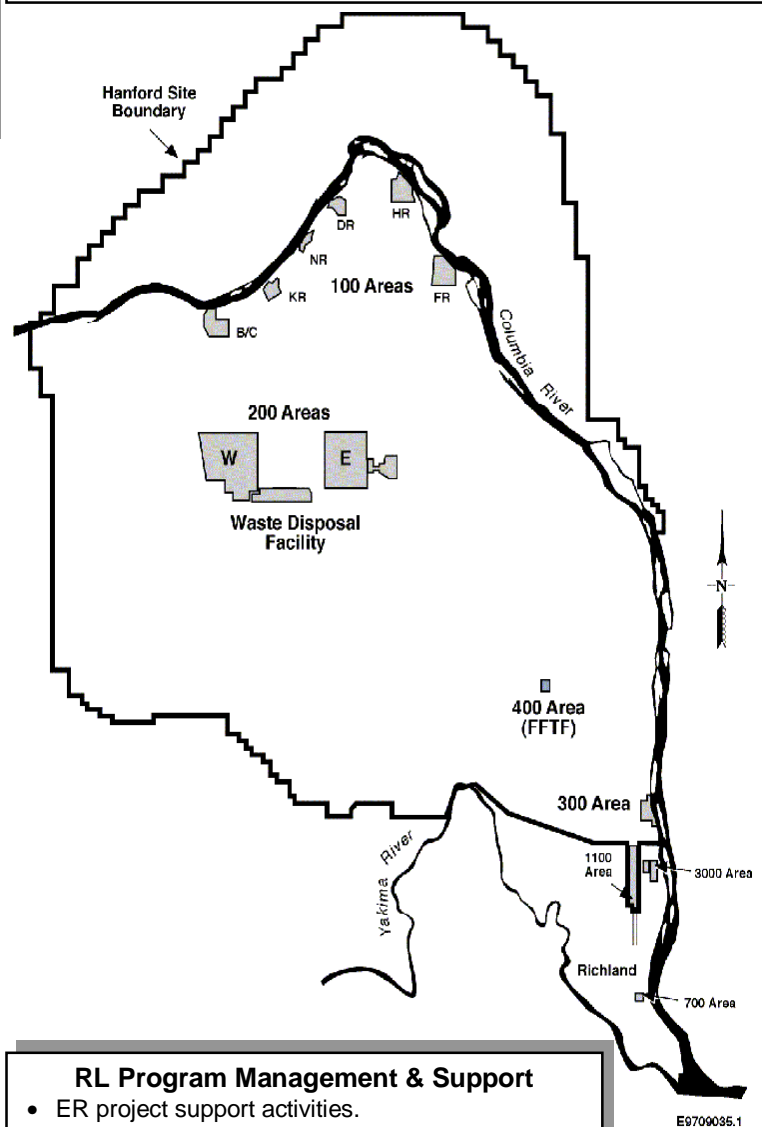
- Maintain the ERC Quality, Safety and Health Program, and ISMS.
- Conduct independent Environmental Compliance assessments/surveillance/audits.
- Maintain PAAA program implementation.

### Project Technical Support

- Identify technology needs, gaps, and solutions; develop technology action plans and proposals that support project technology needs.
- Develop project-wide studies and methodologies for human health/ecological assessment. Develop project-wide conceptual models for sources, receptors, and pathways. Provide consistent approach to qualitative and baseline risk assessments.
- Ensure protection to natural and cultural resources. Integrate ecological/cultural values into project-wide planning.
- Evaluate plant species and techniques for restoration/revegetation, coordinate site-wide strategies and policies, and provide consistent restoration/revegetation approaches.
- Provide support to site investigations, the DQO process, and the site closure process.
- Provide sample and data management support, which includes operation/maintenance of HEIS/HGIS/WIDS, and maintain the sample and data management infrastructure.
- Prepare input to environmental reports required by environmental statutes, regulations, permits, and DOE orders. Provide regulatory guidance and support, environmental compliance oversight, and ERC implementation of site-wide environmental permits.
- Maintain the waste management plan/pollution prevention program, including support to projects.
- Support programmatic overview of the Nuclear Safety and Criticality Programs. Respond to requests from the DNFSB.
- Provide systems engineering support to the site and to projects.
- Maintain the Value Management Program, including appropriate training to ERC personnel.
- Prepare and maintain engineering guides, criteria, specifications, standards, procedures, and program-wide subcontracts.
- Perform self-assessments of project technical support activities.

### Planning & Controls

- Support RL reports and presentations.
- Perform project management services (management systems, project controls, reporting, baseline maintenance and scheduling).
- Prepare the DWP, LRP, PBSs, IPLs, and Baseline Update/MYWP.
- Funds tracking and reporting.
- Rate reviews and development.
- Provide support to the Hanford Integrated Site Baseline (ISB).
- Performance monitoring for PM&S and RL.
- Functional department staff planning support.



### RL Program Management & Support

- ER project support activities.
- Ecology grant (CERCLA)/compliance oversight.
- Site-wide services.
- Service assessment pool.
- PNNL Technical Library.
- BPA electrical support.
- INS laundry (discontinued end of FY01).
- Benton County Sheriff's Office.

# Program Management and Support

## FY02 - FY03 ACTION PLAN

### Program & Project Support

- Maintain the automated Procurement Tracking System (PTS) and small business program, support DOE-wide procurement process improvements, and continue the Balanced Score Card.
- Participate in public involvement activities.
- Provide project information to the public, media, and stakeholders.
- Provide records and document control services, including procedure coordination.

### Compliance, Quality, Safety & Health

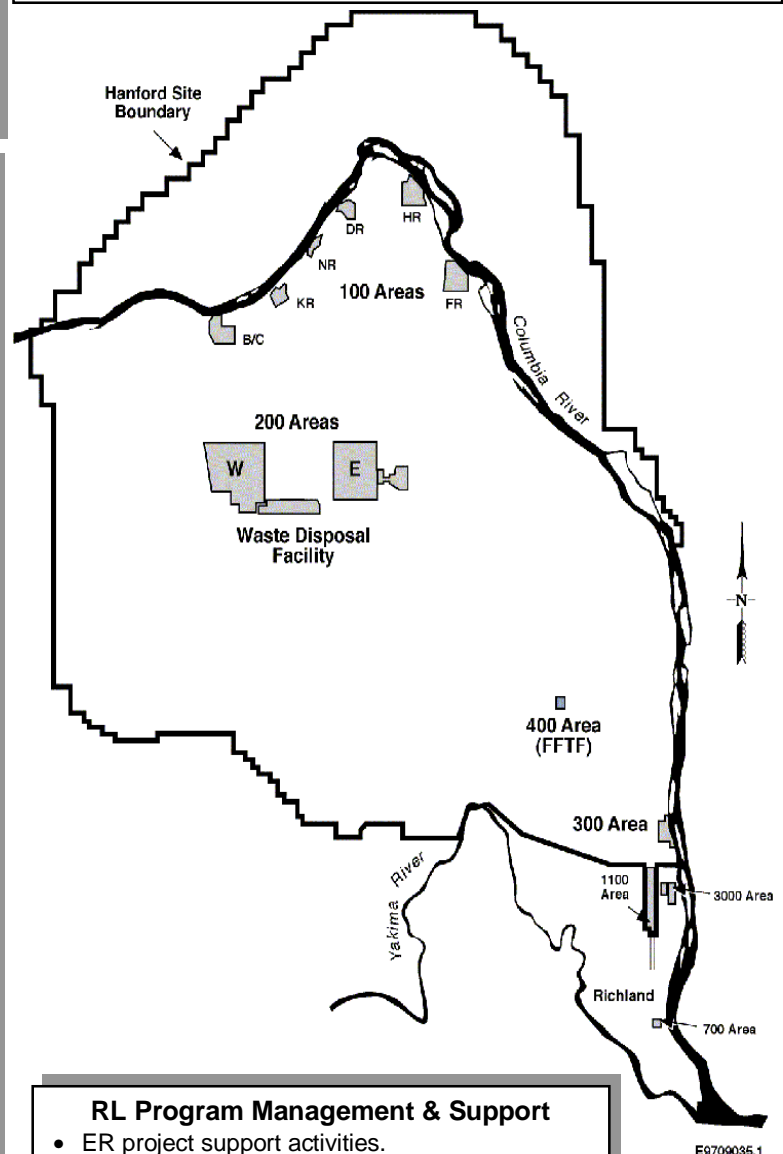
- Maintain the ERC Quality, Safety and Health Program and ISMS.
- Conduct independent Environmental Compliance assessments/surveillance/audits.
- Maintain PAAA program implementation.

### Project Technical Support

- Identify technology needs, gaps, and solutions; develop technology action plans and proposals that support project technology needs.
- Develop project-wide studies and methodologies for human health/ecological assessment. Develop project-wide conceptual models for sources, receptors, and pathways. Provide consistent approach to qualitative and baseline risk assessments.
- Ensure protection to natural and cultural resources. Integrate ecological/cultural values into project-wide planning.
- Evaluate plant species and techniques for restoration/revegetation, coordinate site-wide strategies and policies, and provide consistent restoration/revegetation approaches.
- Provide support to site investigations, the DQO process, and the site closure process.
- Provide sample and data management support, which includes operation/maintenance of HEIS/HGIS/WIDS, and maintain the sample and data management infrastructure.
- Prepare input to environmental reports required by environmental statutes, regulations, permits, and DOE orders. Provide regulatory guidance and support, environmental compliance oversight, and ERC implementation of site-wide environmental permits.
- Maintain the waste management plan/pollution prevention program, including support to projects.
- Support programmatic overview of the Nuclear Safety and Criticality Programs. Respond to requests from the DNFSB.
- Provide systems engineering support to the site and to projects.
- Maintain the Value Management Program, including appropriate training to ERC personnel.
- Prepare and maintain engineering guides, criteria, specifications, standards, procedures, and program-wide subcontracts.
- Perform self-assessments of project technical support activities.

### Planning & Controls

- Support RL reports and presentations.
- Perform project management services (management systems, project controls, reporting, baseline maintenance and scheduling).
- Prepare the DWP, LRP, PBSs, IPLs, and Baseline Update/MYWP.
- Funds tracking and reporting.
- Rate reviews and development.
- Provide support to the Hanford Integrated Site Baseline (ISB).
- Performance monitoring for PM&S and RL.
- Functional department staff planning support.



### RL Program Management & Support

- ER project support activities.
- Ecology grant (CERCLA)/compliance oversight.
- Site-wide services.
- Service assessment pool.
- PNNL Technical Library.
- BPA electrical support.
- Benton County Sheriff's Office.

## Program Management and Support

October 1, 2000

### WORK BREAKDOWN STRUCTURE CHART

#### 1.4.10.1 Richland Environmental Restoration Project

##### 1.4.10.1.3 Program Management and Support

##### 1.4.10.1.3.10 ER10 Environmental Restoration Program Management and Support

##### 1.4.10.1.3.10.01 ERC Program Management and Support

##### 1.4.10.1.3.10.01.01 EA Program Management and Support - ERC

##### 1.4.10.1.3.10.01.01.01 EA1 Project Technical Support

##### 1.4.10.1.3.10.01.01.01.32 EA12 Project Technical Support Remediation

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1.4.10.1.3.10.01.01.01.32.03	EA1203	Sample and Data Management
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1.4.10.1.3.10.01.01.01.32.06	EA1206	Field Support (Equipment)
1.4.10.1.3.10.01.01.01.32.08	EA1208	Waste Management and Transportation

##### 1.4.10.1.3.10.01.01.02 EA2 Project and Program Support

##### 1.4.10.1.3.10.01.01.02.32 EA22 Project and Program Support Remediation

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1.4.10.1.3.10.01.01.02.32.06	EA2206	Records and Document Control

##### 1.4.10.1.3.10.01.01.03 EA3 Planning and Controls

##### 1.4.10.1.3.10.01.01.03.32 EA32 Planning and Controls Remediation

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1.4.10.1.3.10.01.01.03.32.03	EA3203	Project Services
1.4.10.1.3.10.01.01.03.32.04	EA3204	Project Support (ERC)
1.4.10.1.3.10.01.01.03.32.08	EA3208	BHI Performance Measurement
1.4.10.1.3.10.01.01.03.32.12	EA3212	DWP Adjustment

##### 1.4.10.1.3.10.01.01.04 EA4 CQS&H

##### 1.4.10.1.3.10.01.01.04.32 EA42 CQS&H Remediation

1.4.10.1.3.10.01.01.04.32.02	EA4202	Safety and Health
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##### 1.4.10.1.3.10.02 RL Program Management and Support

##### 1.4.10.1.3.10.02.02 EL Program Management and Support - RL

##### 1.4.10.1.3.10.02.02.02 EL2 Program Management - RL

##### 1.4.10.1.3.10.02.02.02.32 EL22 Program Management - Remediation

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1.4.10.1.3.10.02.02.02.32.02	EL2202	Environmental Restoration Project Support Activities
1.4.10.1.3.10.02.02.02.32.03	EL2203	Site-Wide Services/Radiological Monitoring Support - INS Laundry
1.4.10.1.3.10.02.02.02.32.04	EL2204	Laundry Support to Environmental Restoration Project
1.4.10.1.3.10.02.02.02.32.05	EL2205	Electrical Support to Environmental Restoration Project
1.4.10.1.3.10.02.02.02.32.06	EL2206	Service Assessment Pool
1.4.10.1.3.10.02.02.02.32.08	EL2208	PNNL Technical Library/Reading Room
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**Program Management and Support**

October 1, 2000

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PBS	Indenture Level							Title	HQ/ERC WBS #	B&R #
	5	6	7	8	9	10	11			
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RL-ER10		X						Environmental Restoration Program Management and Support	1.4.10.1.3.10	EW02J1090
RL-ER10			X					ERC Program Management and Support	1.4.10.1.3.10.01	EW02J1090
RL-ER10				X				Program Management and Support - ERC	1.4.10.1.3.10.01.01	EW02J1090
RL-ER10					X			Project Technical Support	1.4.10.1.3.10.01.01.01	EW02J1090
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RL-ER10							X	Technology Applications	1.4.10.1.3.10.01.01.01.32.01	EW02J1090
RL-ER10							X	Environmental Sciences	1.4.10.1.3.10.01.01.01.32.02	EW02J1090
RL-ER10							X	Sample and Data Management	1.4.10.1.3.10.01.01.01.32.03	EW02J1090
RL-ER10							X	Regulatory Support	1.4.10.1.3.10.01.01.01.32.04	EW02J1090
RL-ER10							X	Design Engineering	1.4.10.1.3.10.01.01.01.32.05	EW02J1090
RL-ER10							X	Field Support (Equipment)	1.4.10.1.3.10.01.01.01.32.06	EW02J1090
RL-ER10							X	Waste Management and Transportation	1.4.10.1.3.10.01.01.01.32.08	EW02J1090
RL-ER10					X			Project and Program Support	1.4.10.1.3.10.01.01.02	EW02J1090
RL-ER10						X		Project and Program Support Remediation	1.4.10.1.3.10.01.01.02.32	EW02J1090
RL-ER10							X	External Affairs	1.4.10.1.3.10.01.01.02.32.03	EW02J1090
RL-ER10							X	Project Procurement	1.4.10.1.3.10.01.01.02.32.05	EW02J1090
RL-ER10							X	Records and Document Control	1.4.10.1.3.10.01.01.02.32.06	EW02J1090
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RL-ER10							X	Project Baseline Management	1.4.10.1.3.10.01.01.03.32.02	EW02J1090
RL-ER10							X	Project Services	1.4.10.1.3.10.01.01.03.32.03	EW02J1090
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RL-ER10							X	DWP Rate Adjustment	1.4.10.1.3.10.01.01.03.32.12	EW02J1090

**Program Management and Support**

October 1, 2000

**WORK BREAKDOWN STRUCTURE INDEX**

PBS	Indenture Level							Title	HQ/ERC WBS #	B&R #
	5	6	7	8	9	10	11			
RL-ER10					X			CQS&H	1.4.10.1.3.10.01.01.04	EW02J1090
RL-ER10						X		CQS&H Remediation	1.4.10.1.3.10.01.01.04.32	EW02J1090
RL-ER10							X	Safety and Health	1.4.10.1.3.10.01.01.04.32.02	EW02J1090
RL-ER10							X	Compliance and Quality Programs	1.4.10.1.3.10.01.01.04.32.03	EW02J1090
RL-ER10							X	Radiological Control Program	1.4.10.1.3.10.01.01.04.32.04	EW02J1090
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RL-ER10				X				Program Management and Support - RL	1.4.10.1.3.10.02.02	EW02J1090
RL-ER10					X			Program Management - RL	1.4.10.1.3.10.02.02.02	EW02J1090
RL-ER10						X		Program Management - Remediation	1.4.10.1.3.10.02.02.02.32	EW02J1090
RL-ER10							X	Compliance Oversight	1.4.10.1.3.10.02.02.02.32.01	EW02J1090
RL-ER10							X	Environmental Restoration Project Support Activities	1.4.10.1.3.10.02.02.02.32.02	EW02J1090
RL-ER10							X	Site-Wide Services/Radiological Monitoring Support - INS Laundry	1.4.10.1.3.10.02.02.02.32.03	EW02J1090
RL-ER10							X	Laundry Support to Environmental Restoration Project	1.4.10.1.3.10.02.02.02.32.04	EW02J1090
RL-ER10							X	Electrical Support to Environmental Restoration Project	1.4.10.1.3.10.02.02.02.32.05	EW02J1090
RL-ER10							X	Service Assessment Pool	1.4.10.1.3.10.02.02.02.32.06	EW02J1090
RL-ER10							X	PNNL Technical Library/Reading Room	1.4.10.1.3.10.02.02.02.32.08	EW02J1090
RL-ER10							X	Benton County Sheriff's Office	1.4.10.1.3.10.02.02.02.32.09	EW02J1090
RL-ER10							X	Natural Resource Damage Assessment Studies/Ecosystems Management	1.4.10.1.3.10.02.02.02.32.10	EW02J1090



Program Management and Support

October 1, 2000

RESPONSIBILITY ASSIGNMENT MATRIX

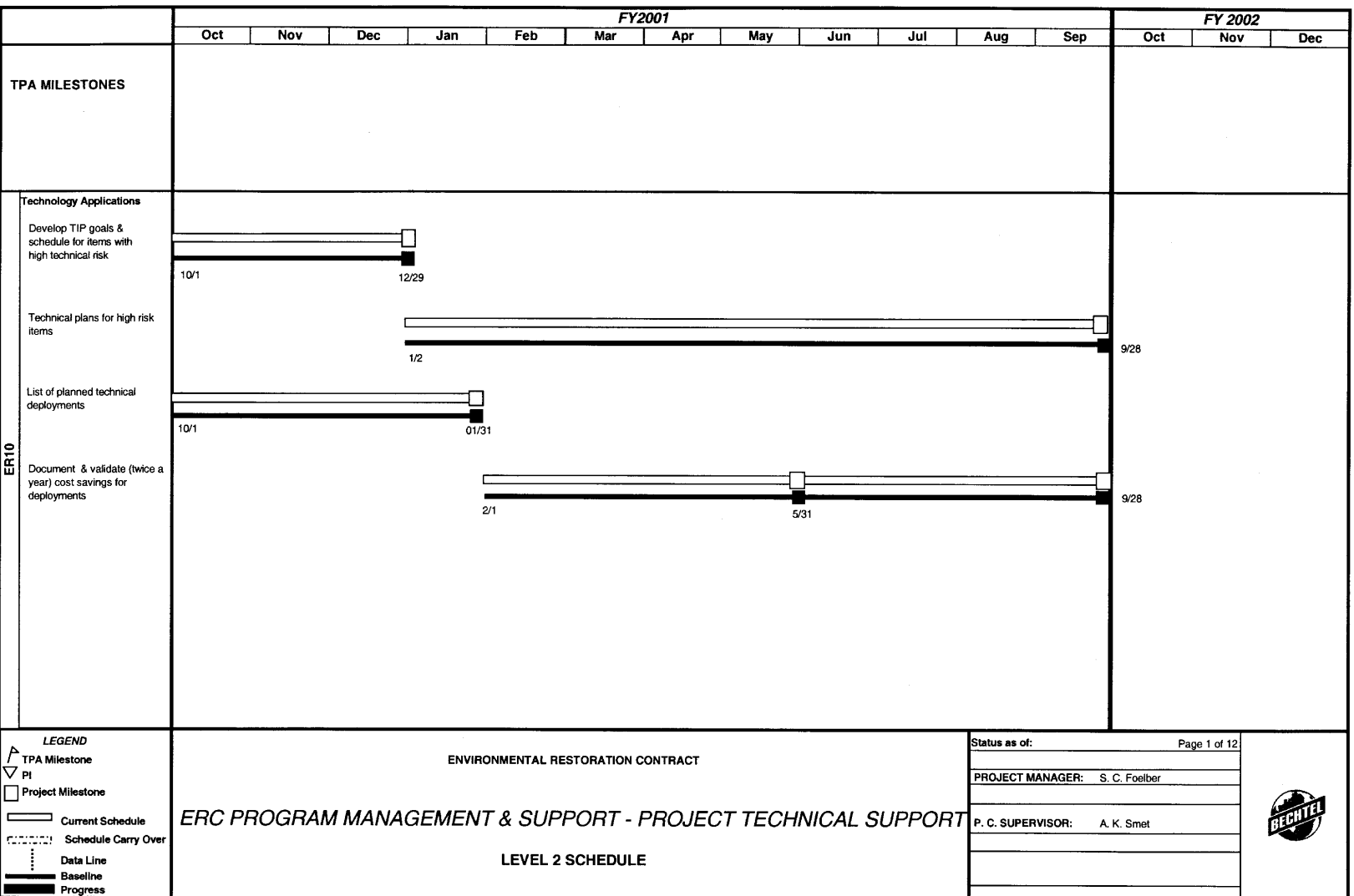
OU	CA #	WBS #	Description	Responsibility	
				ERC	RL
PM&S		1.4.10.1.3	Program Management and Support	LINGLE LW	NELSON JM
PM&S		1.4.10.1.3.10	Environmental Restoration Program Management and Support	LINGLE LW	NELSON JM
ERC PM&S		1.4.10.1.3.10.01	ERC Program Management and Support	LINGLE LW	NELSON JM
ERC PM&S	EA	1.4.10.1.3.10.01.01	Program Management and Support - ERC	LINGLE LW	NELSON JM
ERC PM&S	EA1	1.4.10.1.3.10.01.01.01	Project Technical Support	FOELBER SC	NELSON JM
ERC PM&S	EA12	1.4.10.1.3.10.01.01.01.32	Project Technical Support Remediation	FOELBER SC	NELSON JM
ERC PM&S	EA1201	1.4.10.1.3.10.01.01.01.32.01	Technology Applications	DADA AG	NELSON JM
ERC PM&S	EA1202	1.4.10.1.3.10.01.01.01.32.02	Environmental Sciences	PRICE WH	NELSON JM
ERC PM&S	EA1203	1.4.10.1.3.10.01.01.01.32.03	Sample and Data Management	PRICE WH	NELSON JM
ERC PM&S	EA1204	1.4.10.1.3.10.01.01.01.32.04	Regulatory Support	LANDON RJ	NELSON JM
ERC PM&S	EA1205	1.4.10.1.3.10.01.01.01.32.05	Design Engineering	DARBY JW	NELSON JM
ERC PM&S	EA1206	1.4.10.1.3.10.01.01.01.32.06	Field Support (Equipment)	SHOAF WB	NELSON JM
ERC PM&S	EA1208	1.4.10.1.3.10.01.01.01.32.08	Waste Management and Transportation	ATWOOD JM	NELSON JM
ERC PM&S	EA2	1.4.10.1.3.10.01.01.02	Project and Program Support	PEINTINGER WJ	NELSON JM
ERC PM&S	EA22	1.4.10.1.3.10.01.01.02.32	Project and Program Support Remediation	PEINTINGER WJ	NELSON JM
ERC PM&S	EA2203	1.4.10.1.3.10.01.01.02.32.03	External Affairs	KUNTZ BS	NELSON JM
ERC PM&S	EA2205	1.4.10.1.3.10.01.01.02.32.05	Project Procurement	HOUSTON DH	PUTHOFF RO
ERC PM&S	EA2206	1.4.10.1.3.10.01.01.02.32.06	Records and Document Control	PEINTINGER WJ	JARNAGIN LK
ERC PM&S	EA3	1.4.10.1.3.10.01.01.03	Planning and Controls	HAJNER RS	NELSON JM
ERC PM&S	EA32	1.4.10.1.3.10.01.01.03.32	Planning and Controls Remediation	HAJNER RS	NELSON JM
ERC PM&S	EA3202	1.4.10.1.3.10.01.01.03.32.02	Project Baseline Management	WATSON MR	GUNION CH
ERC PM&S	EA3203	1.4.10.1.3.10.01.01.03.32.03	Project Services	LINGLE LW	NELSON JM
ERC PM&S	EA3204	1.4.10.1.3.10.01.01.03.32.04	Project Support (ERC)	LINGLE LW	NELSON JM
ERC PM&S	EA3208	1.4.10.1.3.10.01.01.03.32.08	BHI Performance Measurement	SMET AK	NELSON JM
ERC PM&S	EA3212	1.4.10.1.3.10.01.01.03.32.12	DWP Adjustment	SMET AK	NELSON JM

## Program Management and Support

October 1, 2000

## RESPONSIBILITY ASSIGNMENT MATRIX

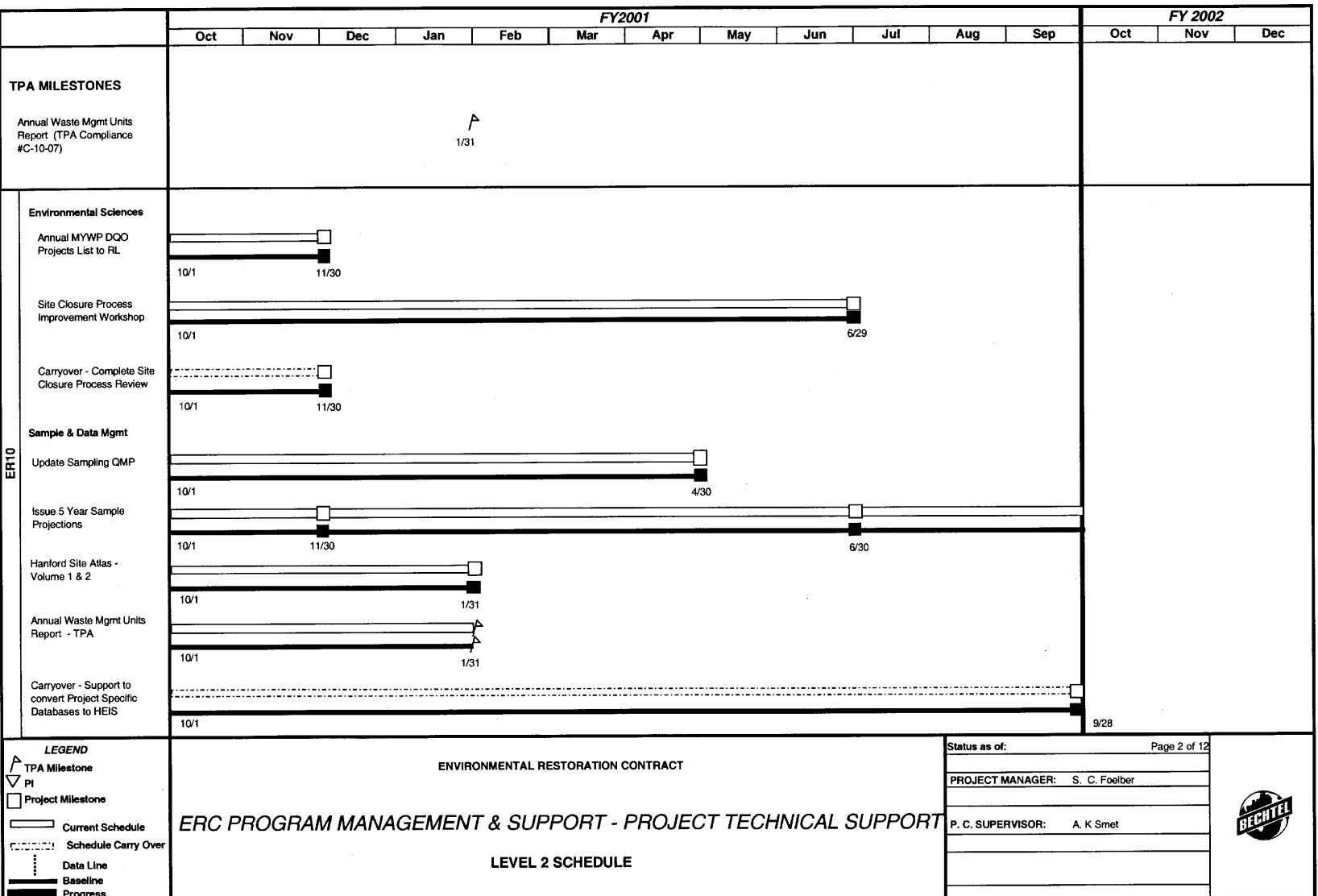
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				ERC	RL
ERC PM&S	EA4	1.4.10.1.3.10.01.01.04	CQS&H	TARPINIAN JE	NELSON JM
ERC PM&S	EA42	1.4.10.1.3.10.01.01.04.32	CQS&H Remediation	TARPINIAN JE	NELSON JM
ERC PM&S	EA4202	1.4.10.1.3.10.01.01.04.32.02	Safety and Health	LICHFIELD RD	BENGUIAT KA
ERC PM&S	EA4203	1.4.10.1.3.10.01.01.04.32.03	Compliance and Quality Programs	WYER RH	ZEISLOFT JH
ERC PM&S	EA4204	1.4.10.1.3.10.01.01.04.32.04	Radiological Control Program	GERGELY DE	NELSON JM
RL PM&S		1.4.10.1.3.10.02	RL Program Management and Support	N/A	NELSON JM
RL PM&S	EL	1.4.10.1.3.10.02.02	Program Management and Support - RL	N/A	NELSON JM
RL PM&S	EL2	1.4.10.1.3.10.02.02.02	Program Management - RL	N/A	NELSON JM
RL PM&S	EL22	1.4.10.1.3.10.02.02.02.32	Program Management - Remediation	N/A	NELSON JM
RL PM&S	EL2201	1.4.10.1.3.10.02.02.02.32.01	Compliance Oversight	N/A	NELSON JM
RL PM&S	EL2202	1.4.10.1.3.10.02.02.02.32.02	Environmental Restoration Project Support Activities	N/A	NELSON JM
RL PM&S	EL2203	1.4.10.1.3.10.02.02.02.32.03	Site-Wide Services/Radiological Monitoring Support - INS Laundry	N/A	NELSON JM
RL PM&S	EL2204	1.4.10.1.3.10.02.02.02.32.04	Laundry Support to Environmental Restoration Project	N/A	NELSON JM
RL PM&S	EL2205	1.4.10.1.3.10.02.02.02.32.05	Electrical Support to Environmental Restoration Project	N/A	NELSON JM
RL PM&S	EL2206	1.4.10.1.3.10.02.02.02.32.06	Service Assessment Pool	N/A	NELSON JM
RL PM&S	EL2208	1.4.10.1.3.10.02.02.02.32.08	PNNL Technical Library/Reading Room	N/A	NELSON JM
RL PM&S	EL2209	1.4.10.1.3.10.02.02.02.32.09	Benton County Sheriff's Office	N/A	NELSON JM
RL PM&S	EL2210	1.4.10.1.3.10.02.02.02.32.10	Natural Resource Damage Assessment Studies/Ecosystems Management	N/A	NELSON JM



# Program Management and Support

## Area Schedule Baseline

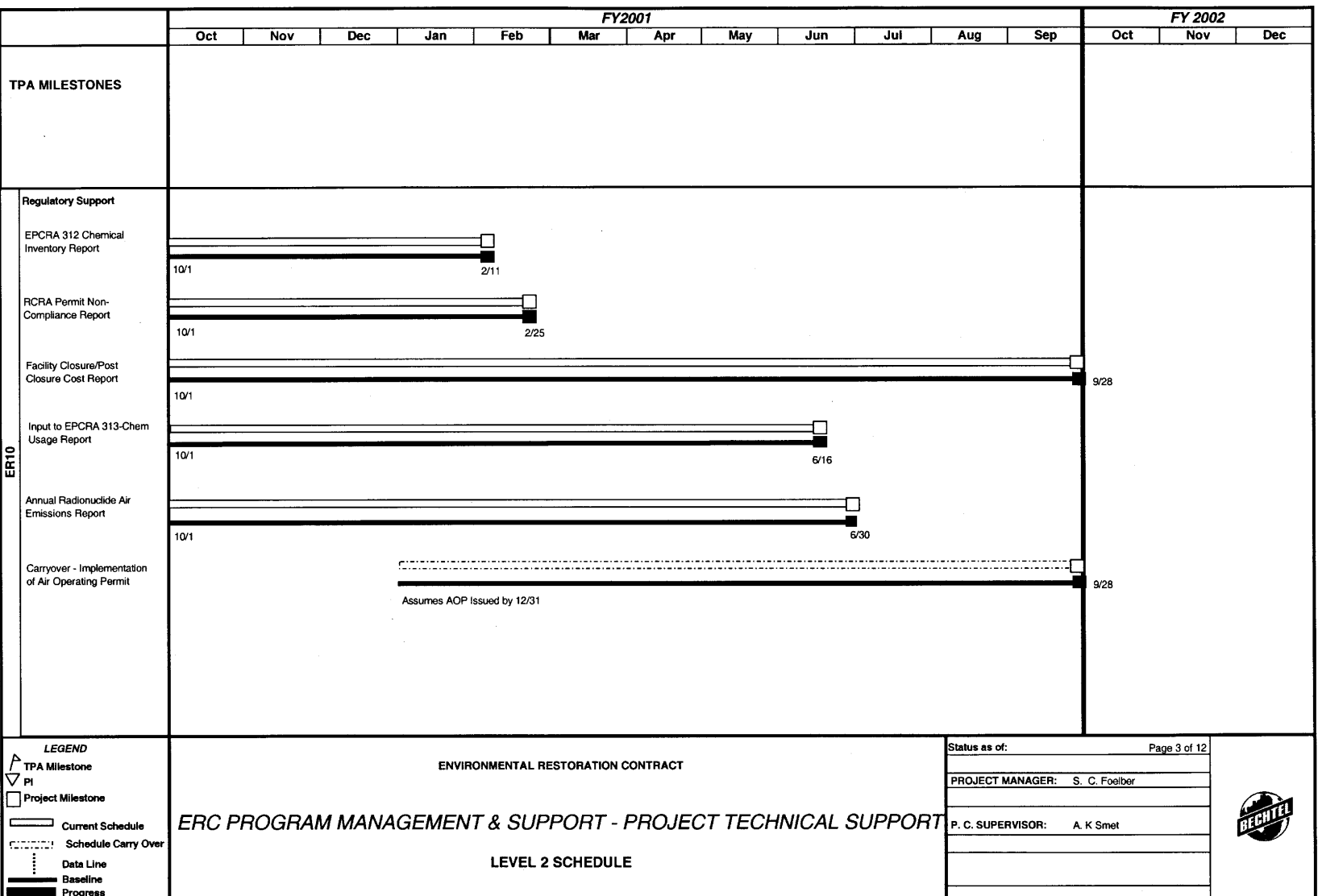
October 1, 2000



# Program Management and Support

## Area Schedule Baseline

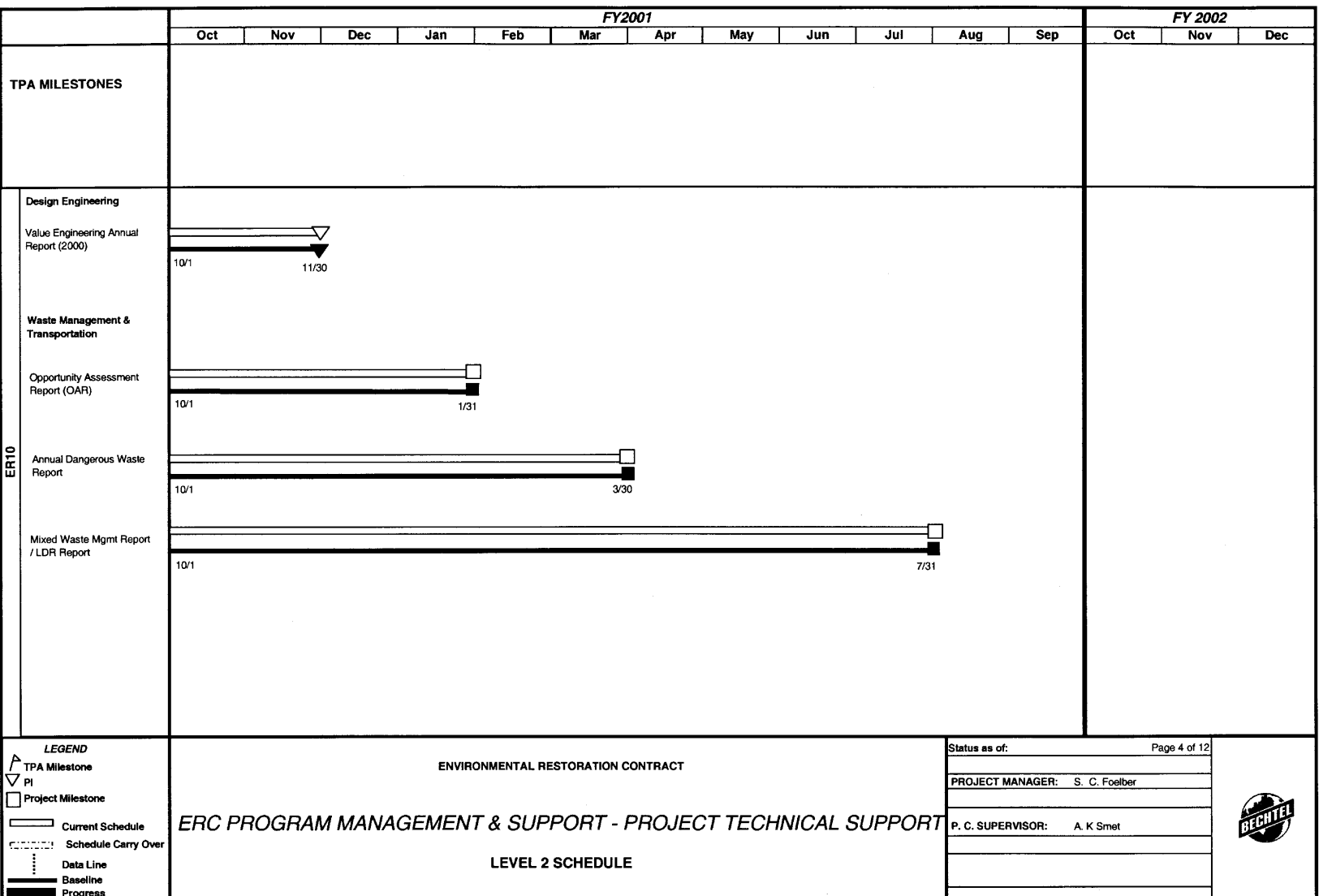
October 1, 2000

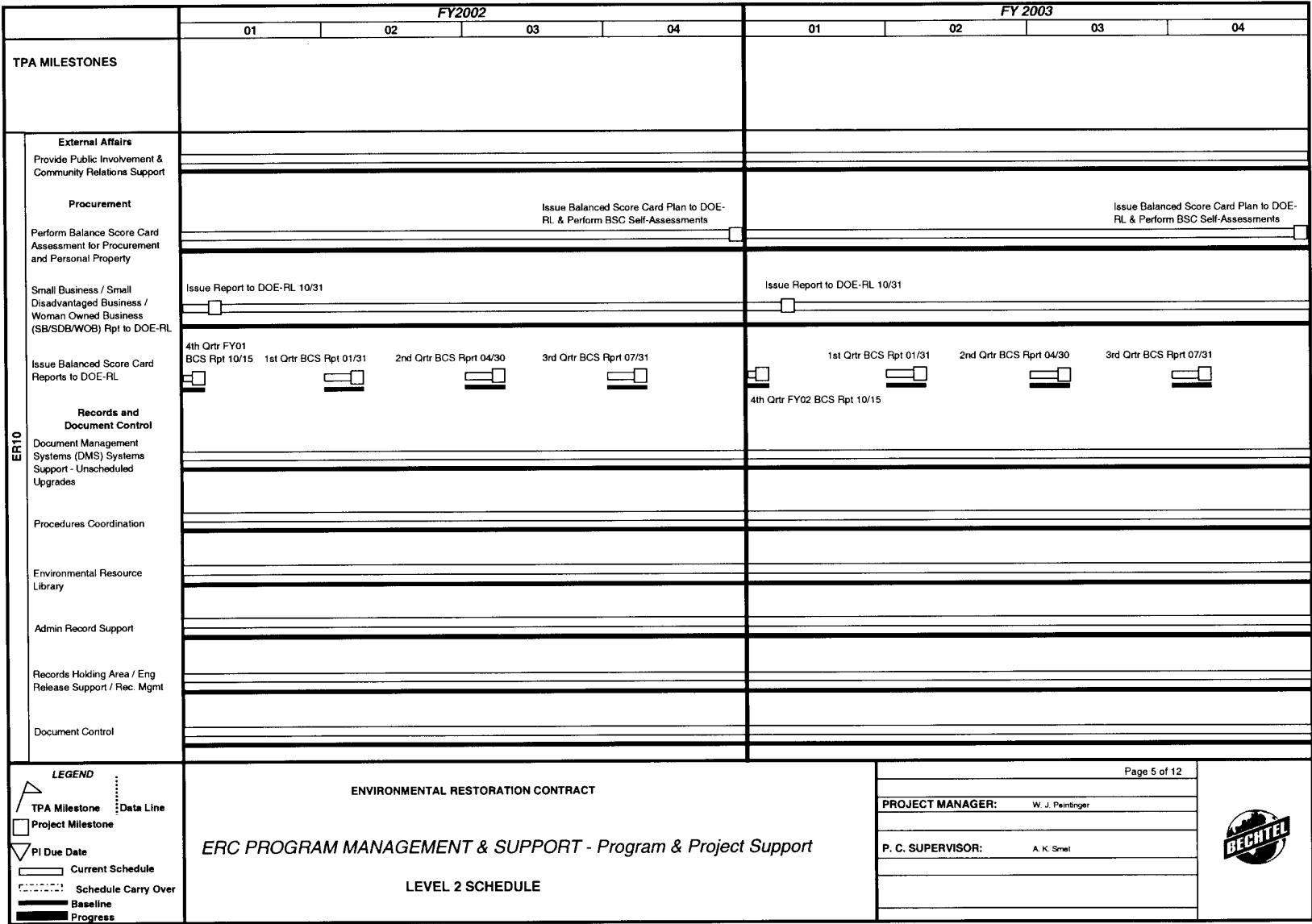


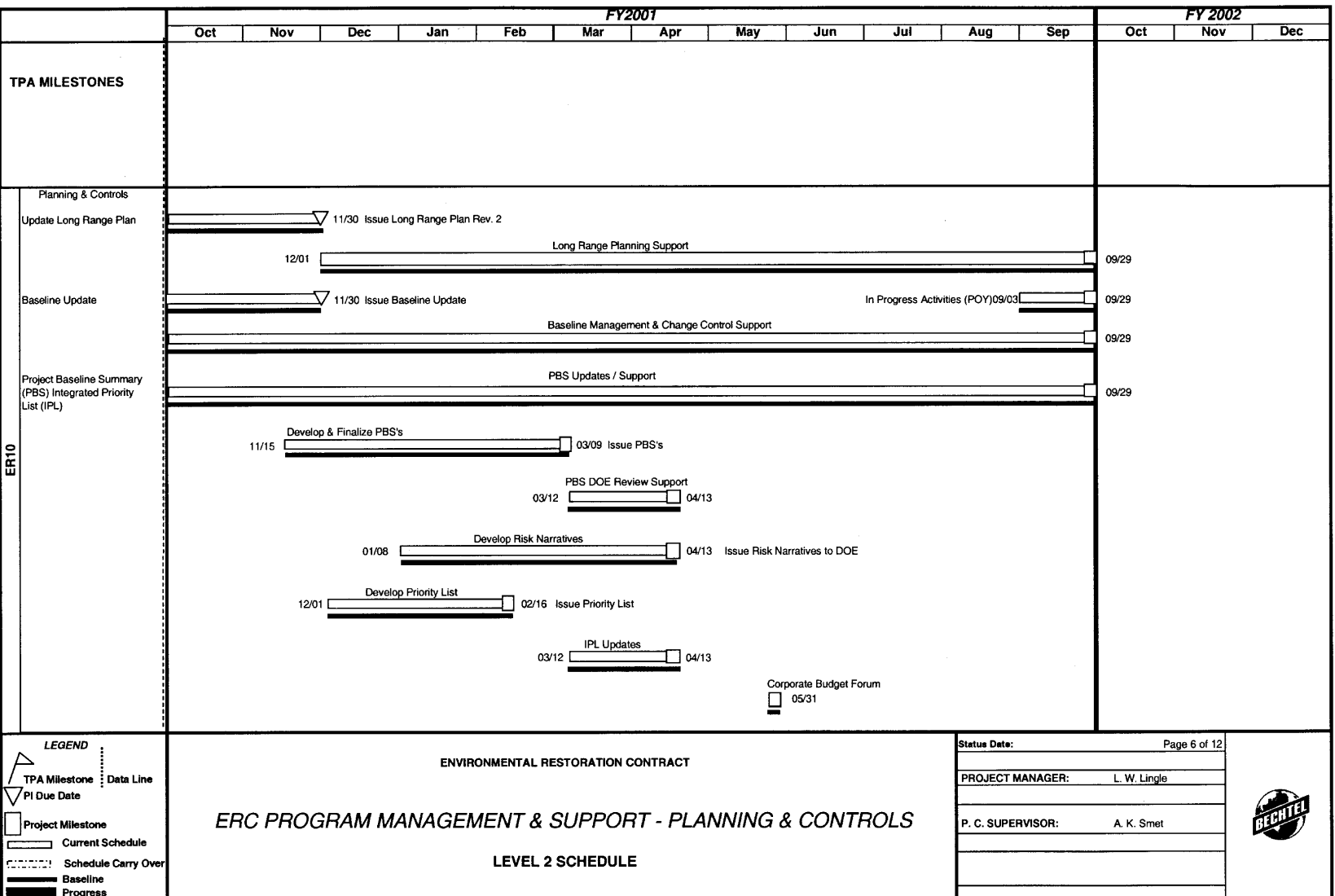
# Program Management and Support

## Area Schedule Baseline

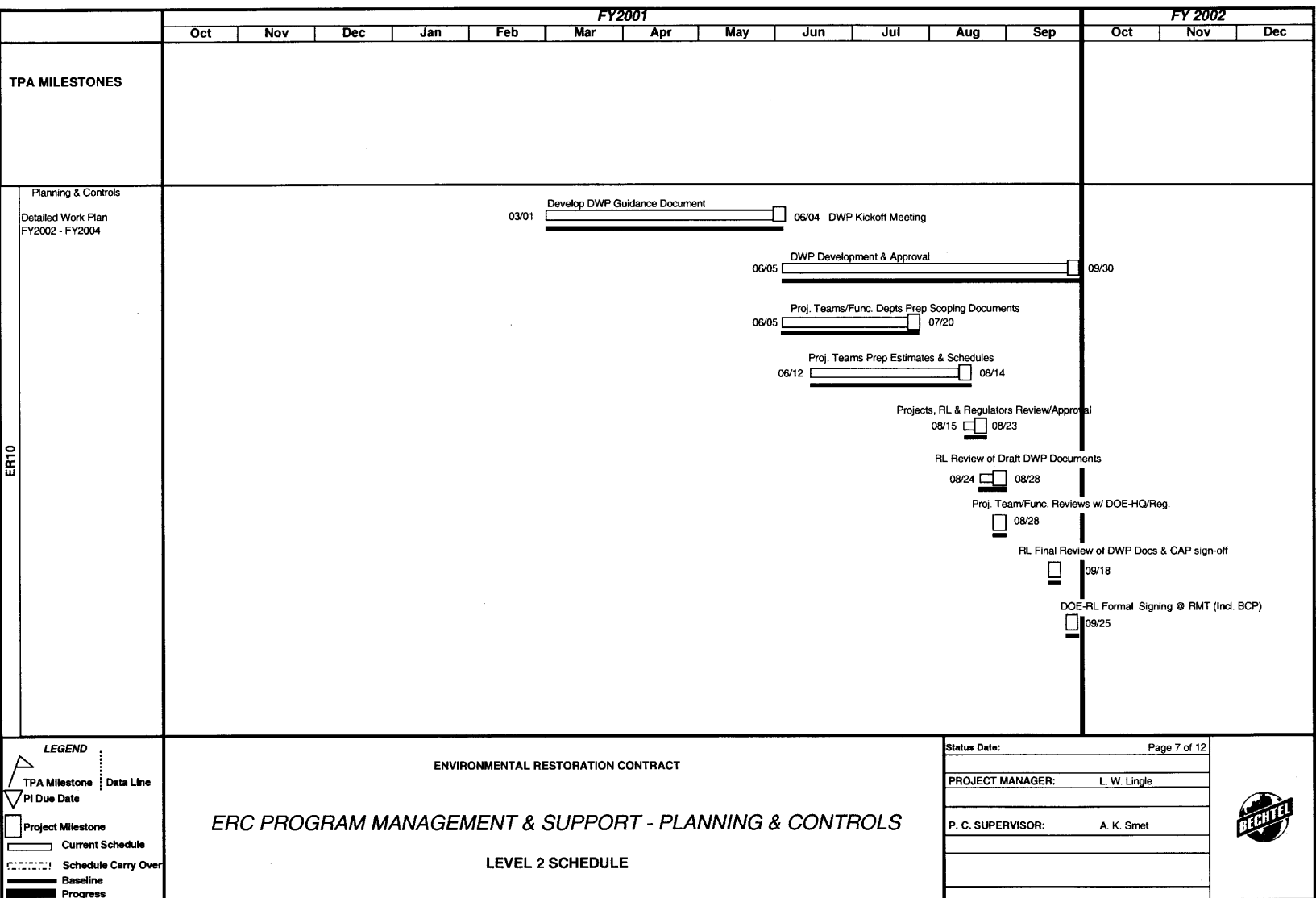
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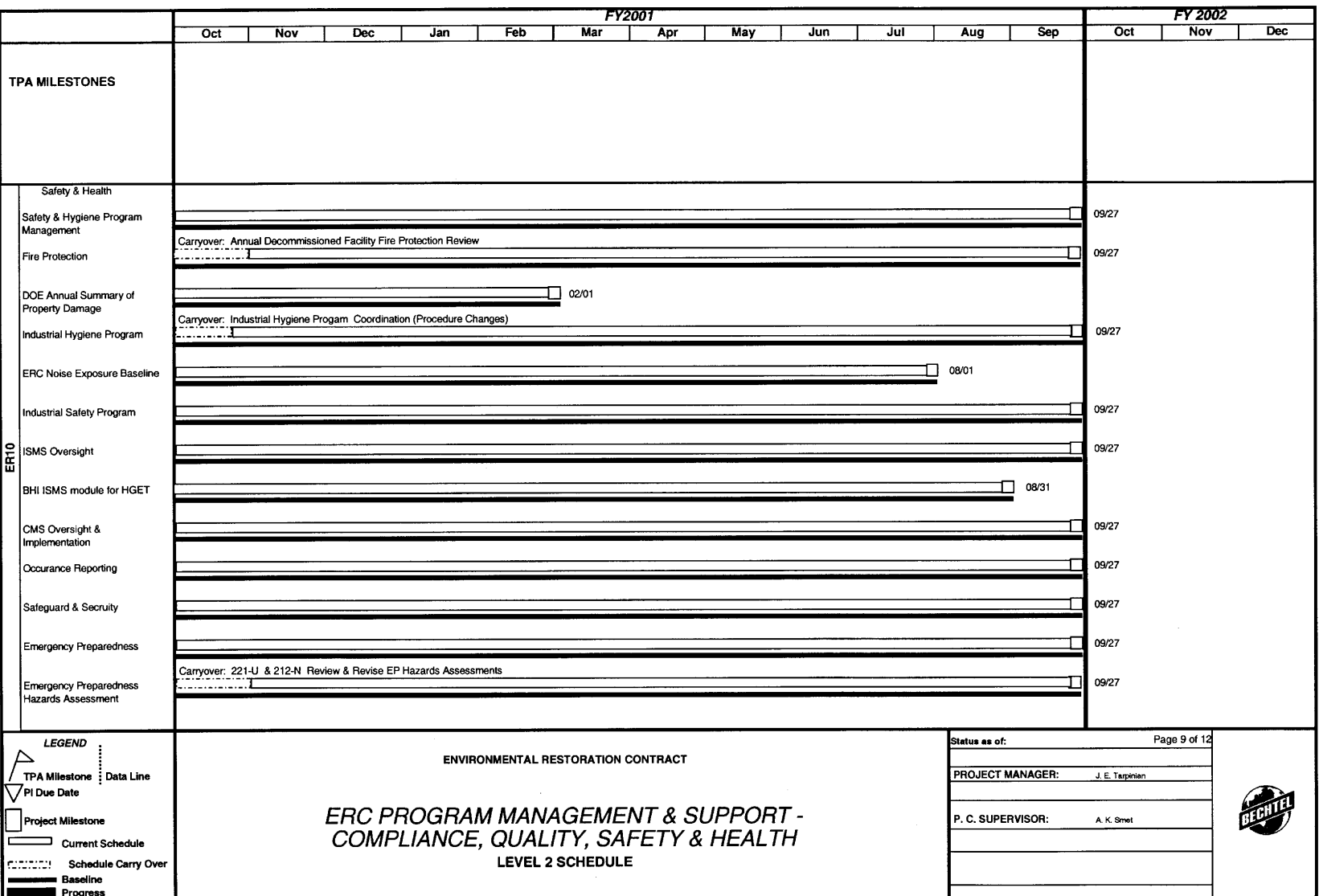
**LEGEND**

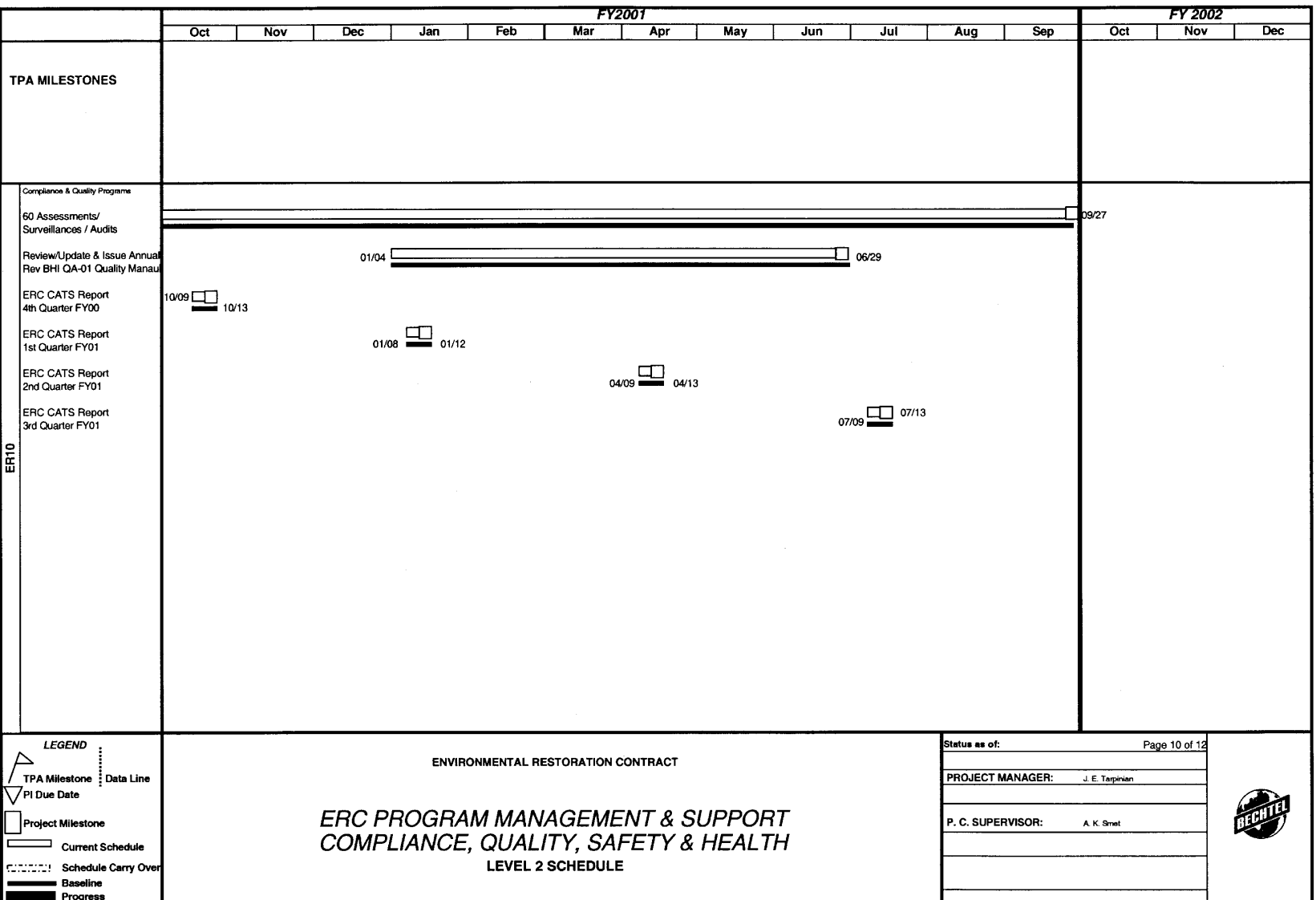
- TPA Milestone
- PI Due Date
- Project Milestone
- Current Schedule
- Schedule Carry Over
- Baseline
- Progress

# Program Management and Support

## Area Schedule Baseline

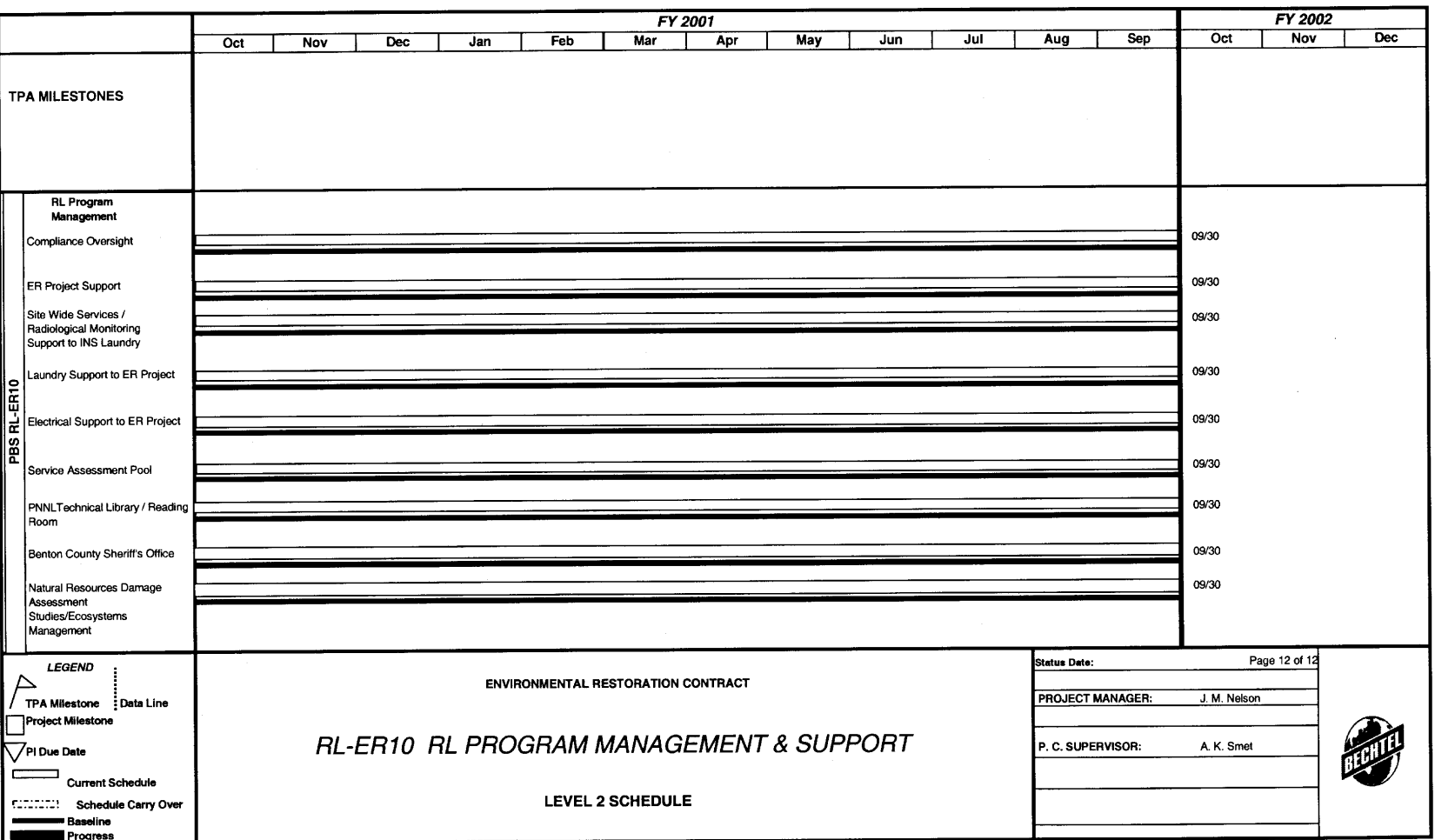
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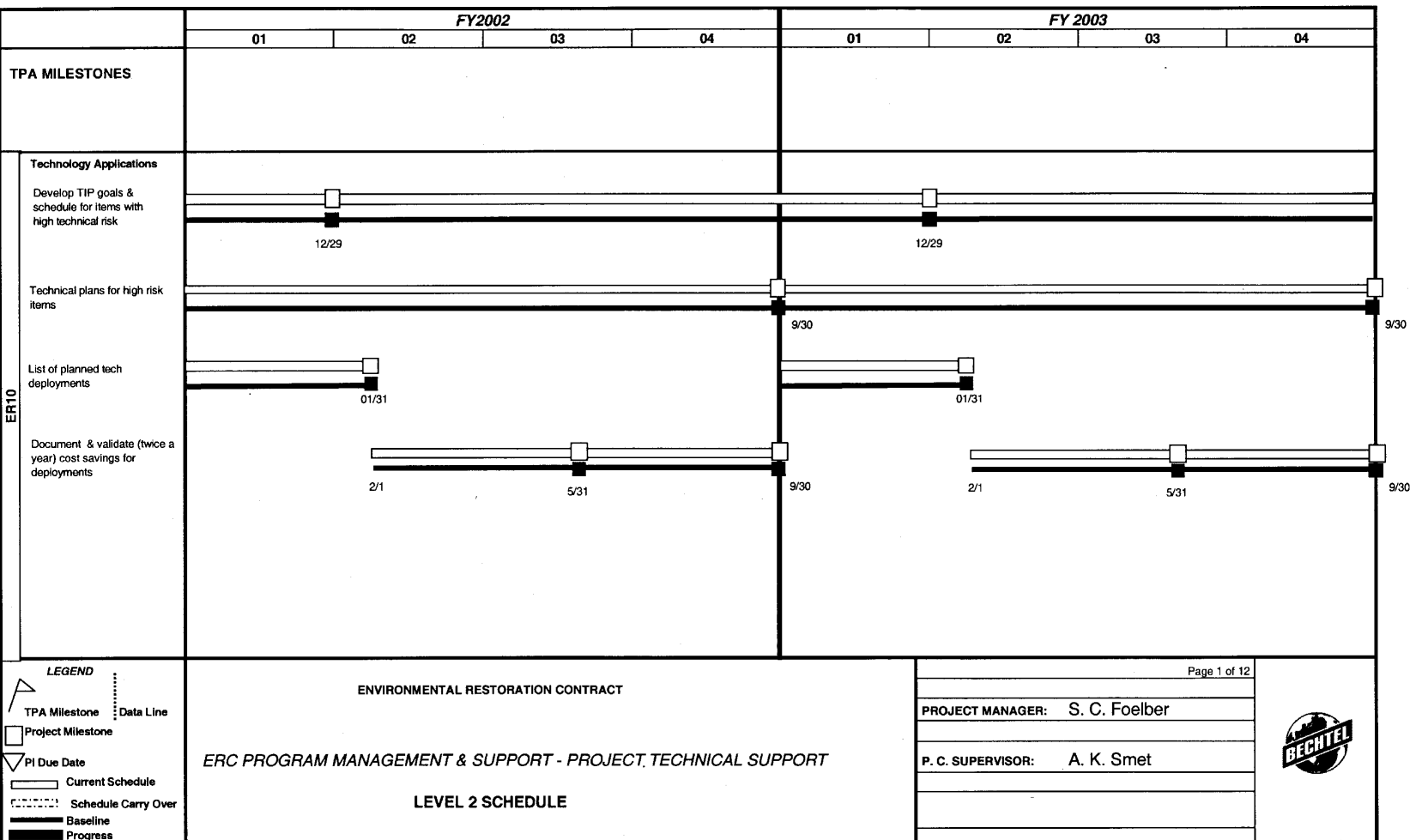




October 1, 2000

**ER10**

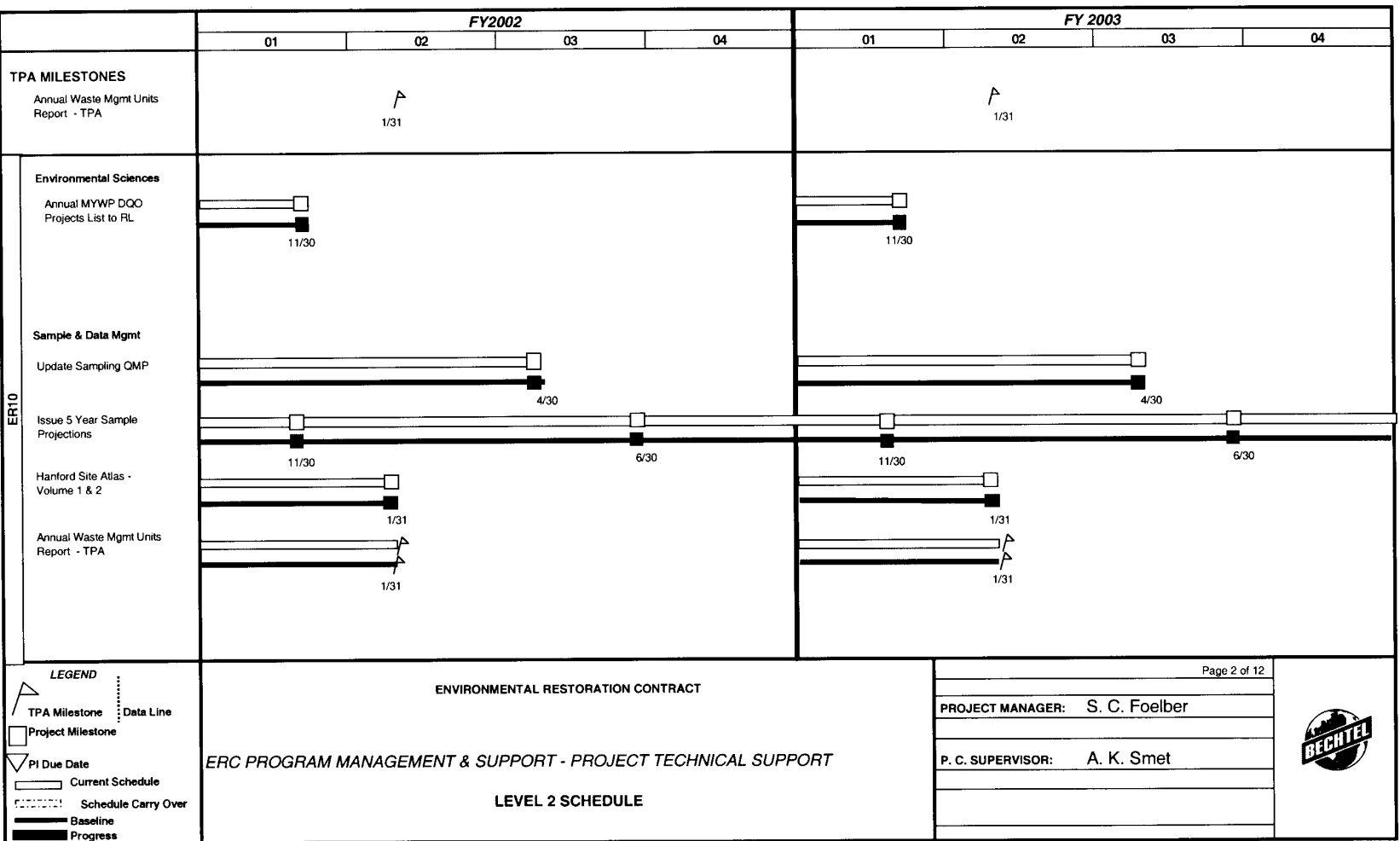




# Program Management and Support

## Area Schedule Baseline

October 1, 2000

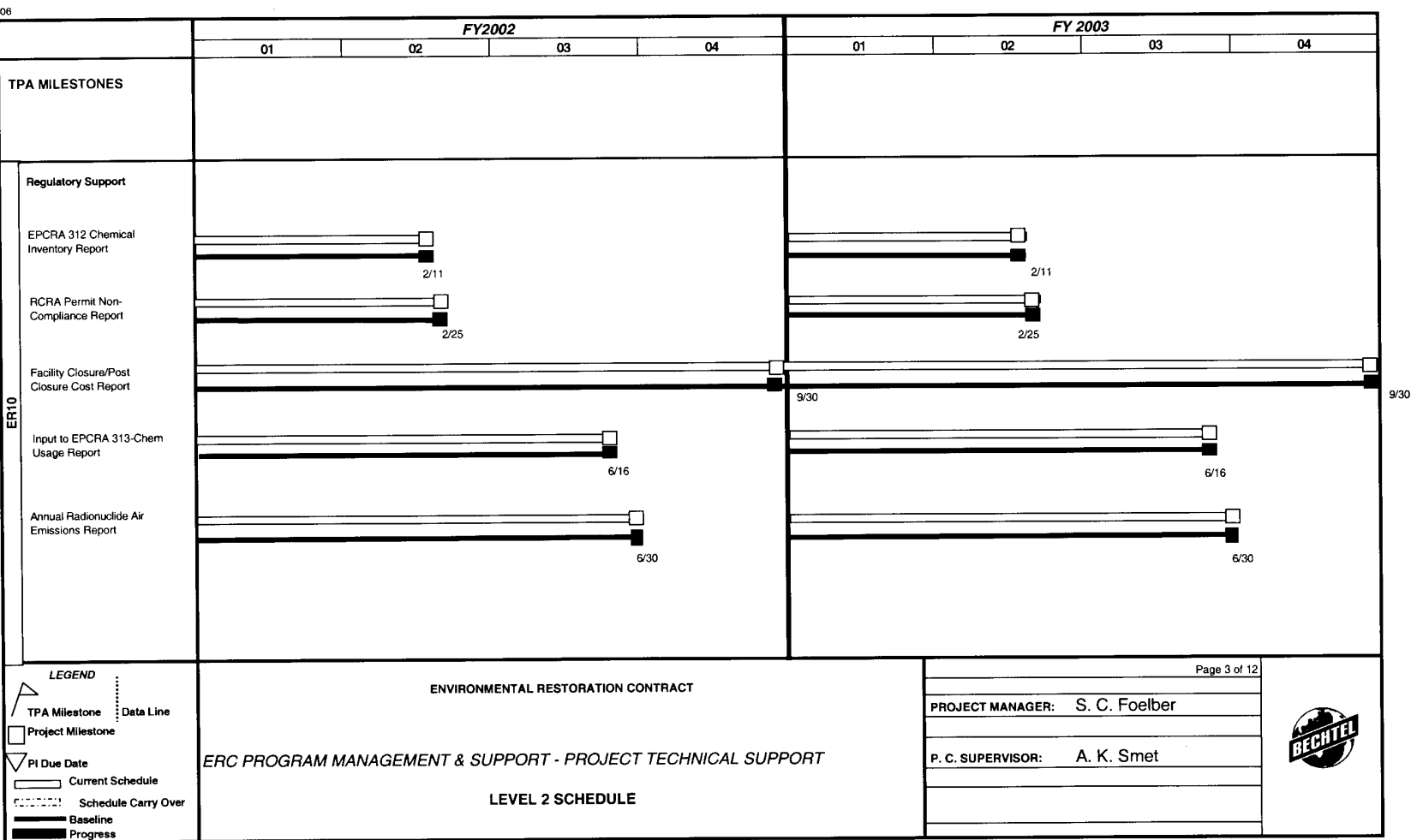


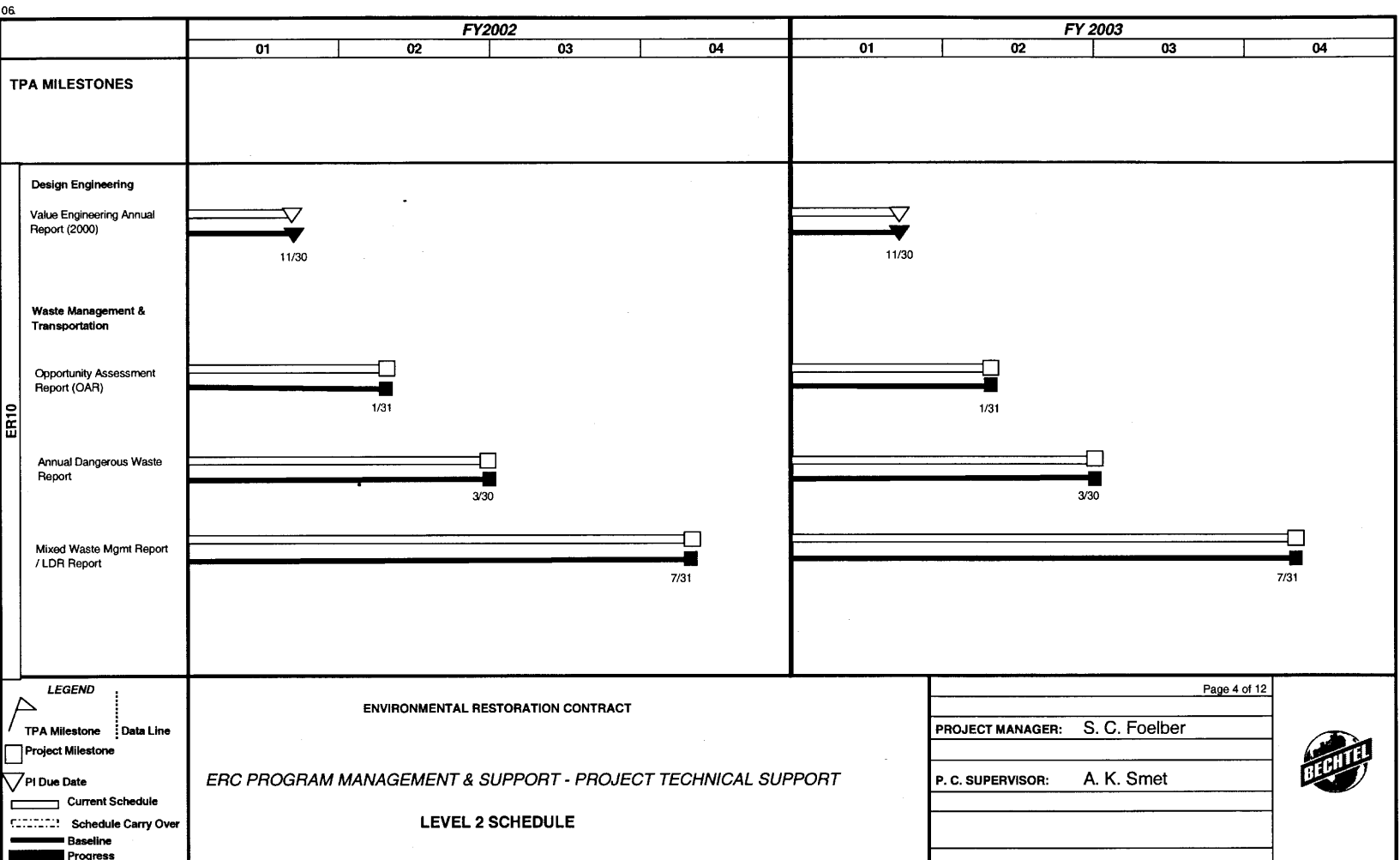


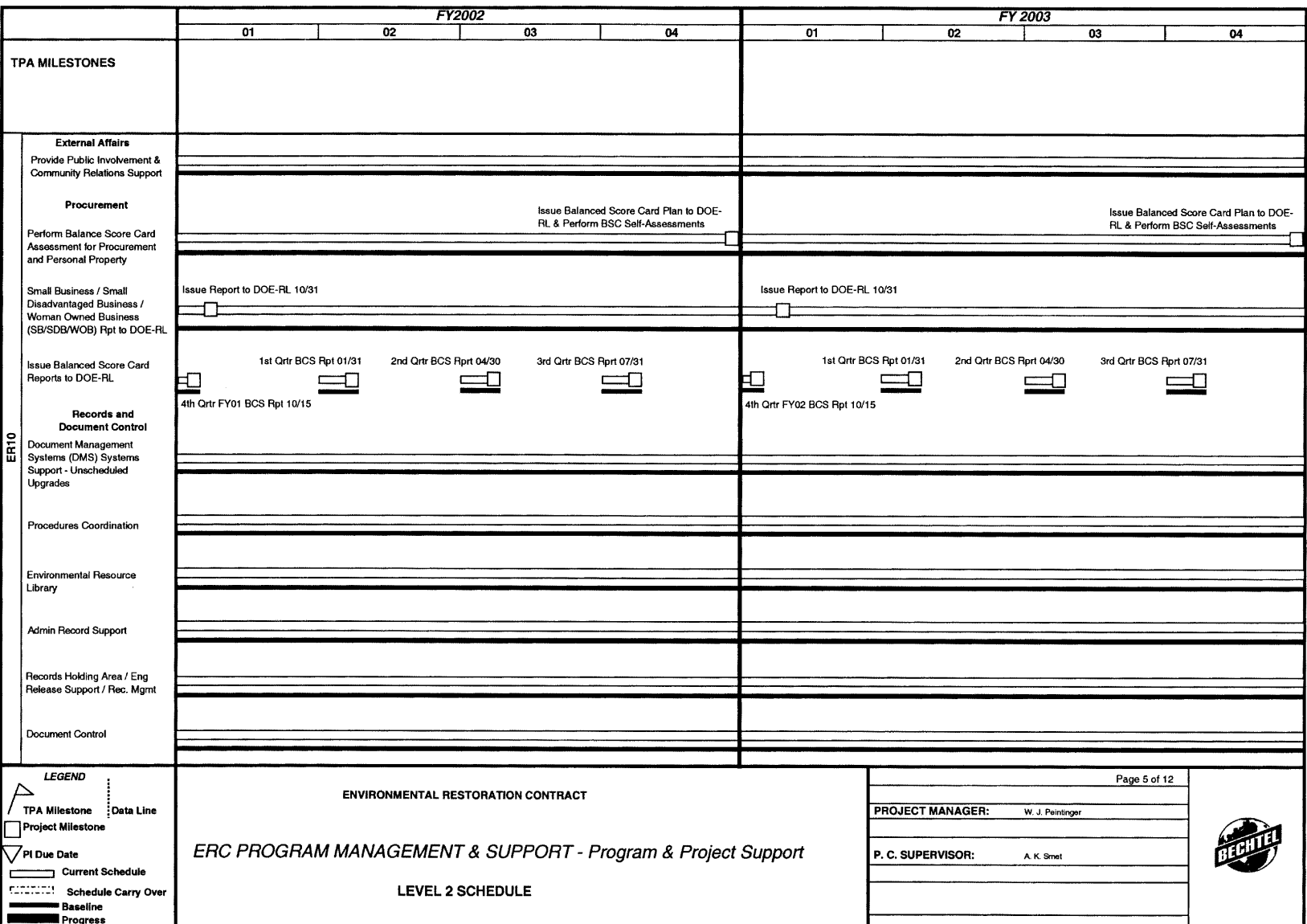
# Program Management and Support

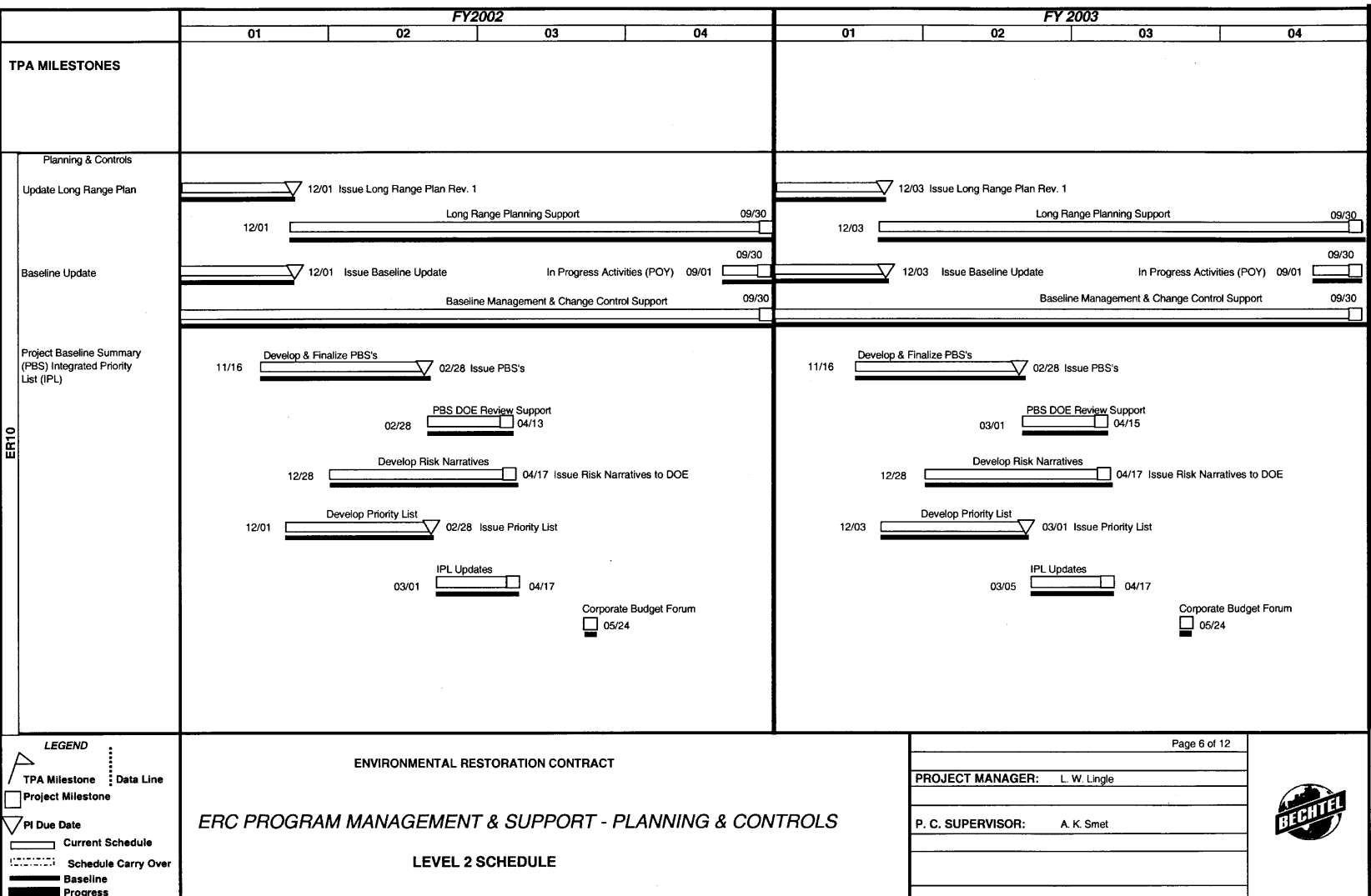
## Area Schedule Baseline

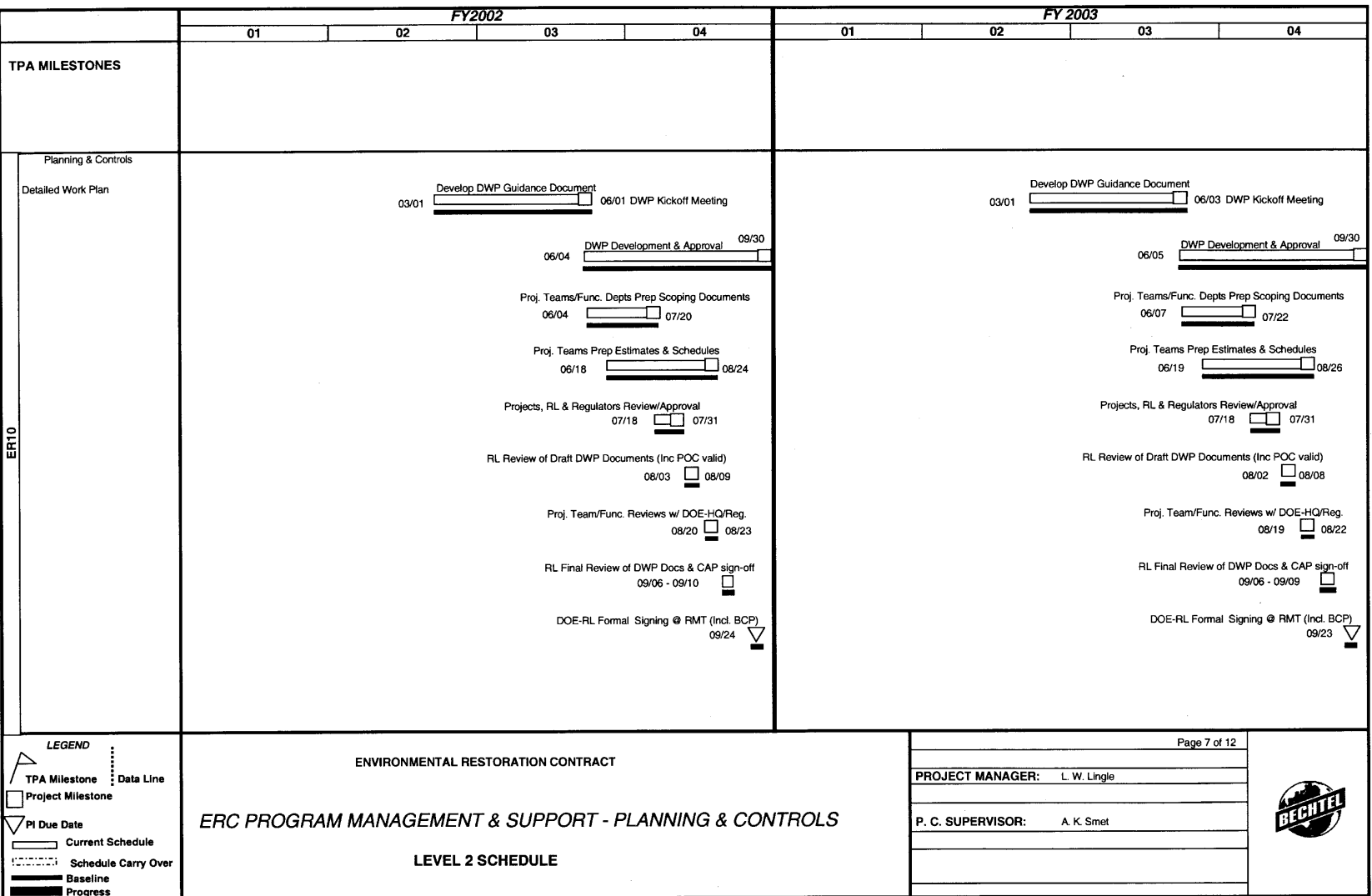
October 1, 2000

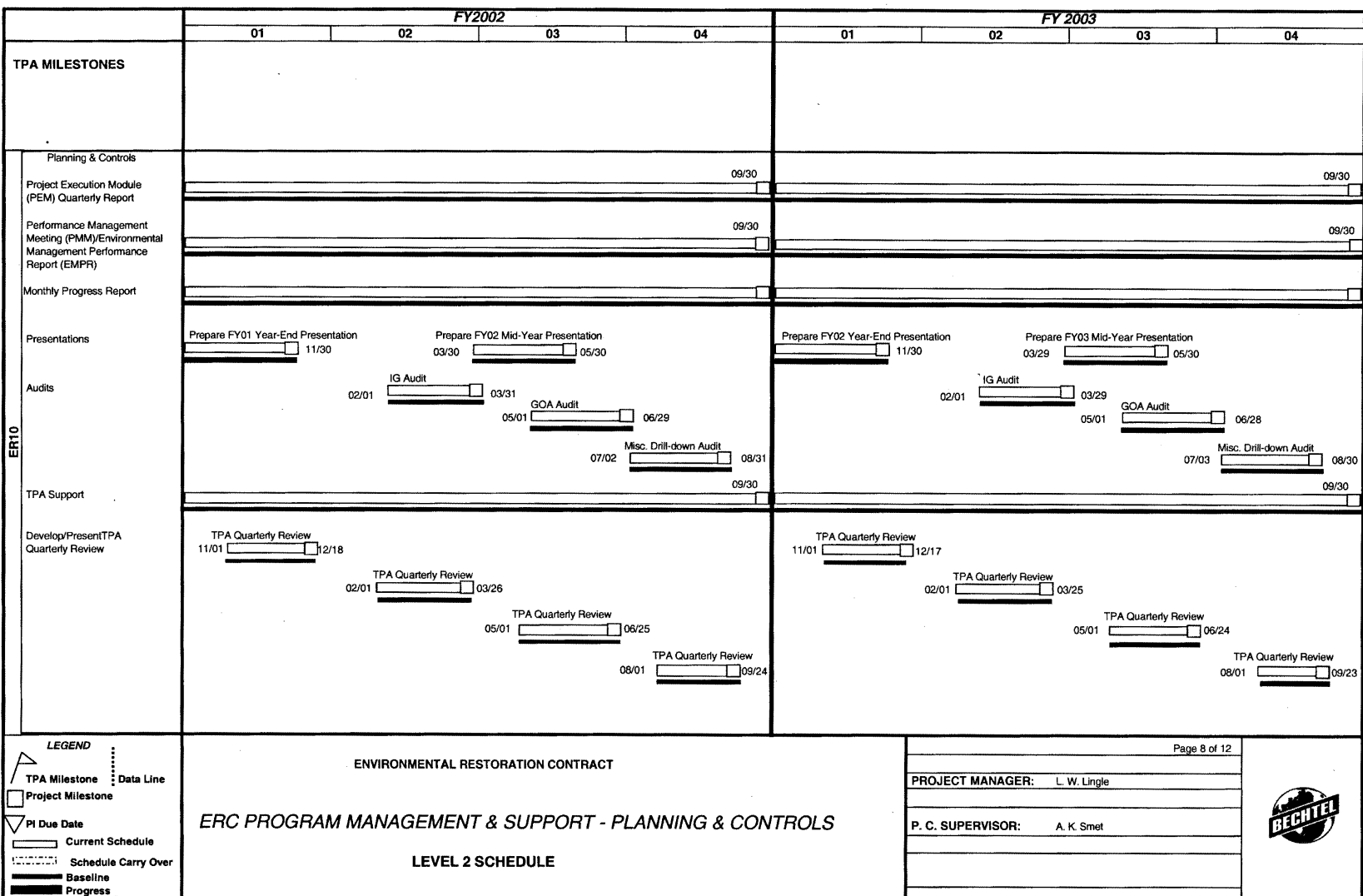








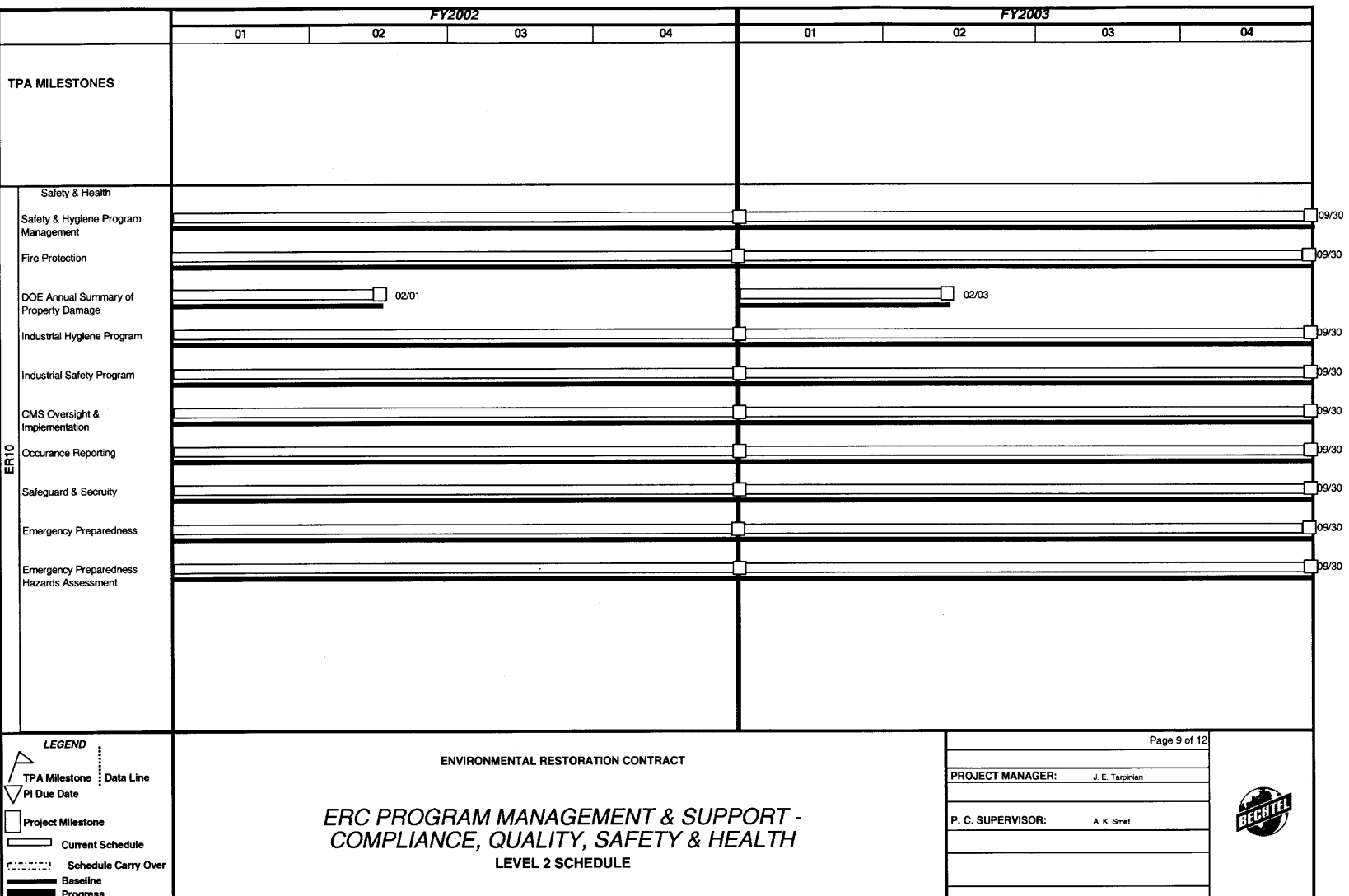


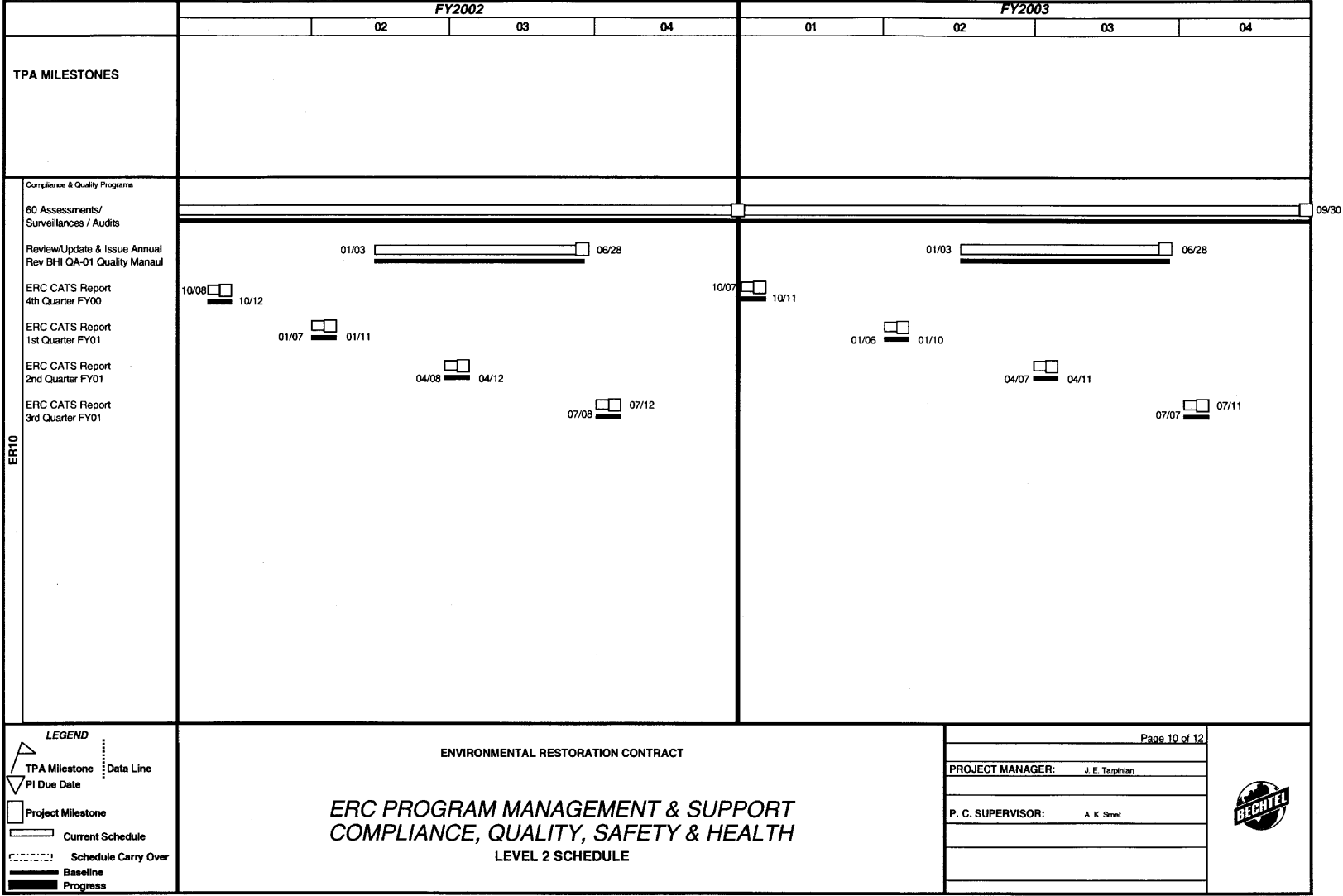


# Program Management and Support

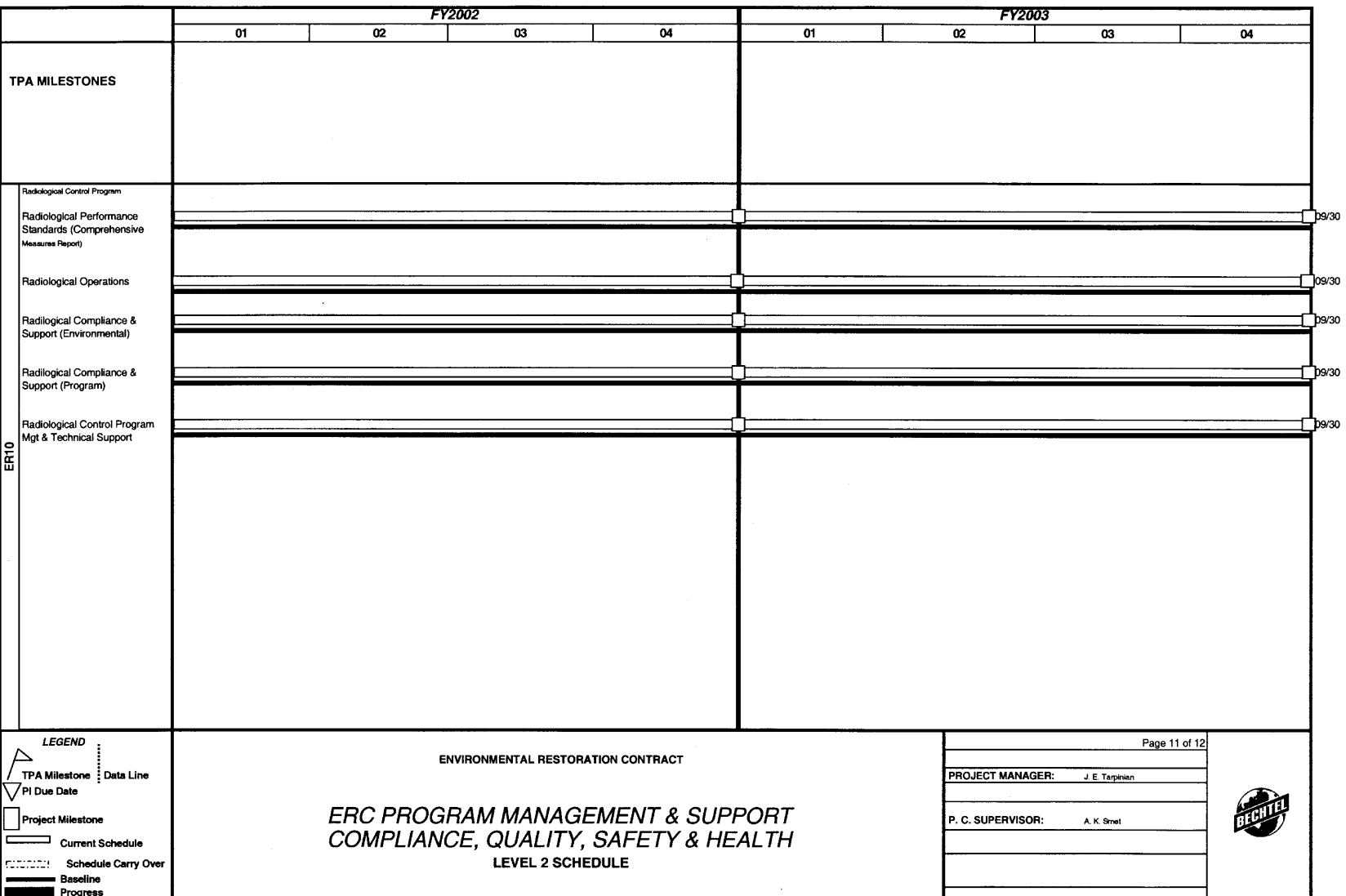
## Area Schedule Baseline









October 1, 2000









		FY2002				FY 2003			
		01	02	03	04	01	02	03	04
TPA MILESTONES									
ER10	Compliance Oversight	09/30				09/30			
	ER Project Support	09/30				09/30			
	Site Wide Services / Radiological Monitoring Support to INS Laundry	09/30				09/30			
	Electrical Support to ER Project	09/30				09/30			
	Service Assessment Pool	09/30				09/30			
	PNNL Technical Library / Reading Room	09/30				09/30			
	Benton County Sheriff's Office	09/30				09/30			
	Natural Resources Damage Assessment Studies/Ecosystems Management	09/30				09/30			
<b>LEGEND</b>  TPA Milestone  Project Milestone  PI Due Date  Current Schedule  Schedule Carry Over  Baseline  Progress		ENVIRONMENTAL RESTORATION CONTRACT  <b>RL-ER10 RL PROGRAM MANAGEMENT &amp; SUPPORT</b>  LEVEL 2 SCHEDULE				Page 12 of 12 PROJECT MANAGER: L. W. Lingle P. C. SUPERVISOR: A. K. Smet 			

**TRI-PARTY AGREEMENT MILESTONES**

<b>PBS</b>	<b>Milestone No.</b>	<b>Compliance Date</b>	<b>Milestone Description</b>	<b>OU</b>	<b>Comments</b>
ER10	C-10-08	01/31/01	Issue Hanford Site Waste Management Unit Report and Post on WEB	Site	
ER10	C-10-11	01/31/02	Issue Hanford Site Waste Management Unit Report and Post on WEB	Site	
ER10	C-10-12	01/31/03	Issue Hanford Site Waste Management Unit Report and Post on WEB	Site	

**COSTS**

The PM&S Program costs since 1995 have trended down considerably. The total cost of the PM&S Program was approximately \$37 million in 1995. This has decreased to the current cost forecast of \$18.3 million in the FY01 DWP.

This decrease in the last four years is the result of two major factors. First, decreased ERC funding has resulted in a corresponding reduction in the fixed components of the PM&S Program. Second, improved efficiency within the organization has significantly contributed to the improved cost performance index for PM&S.

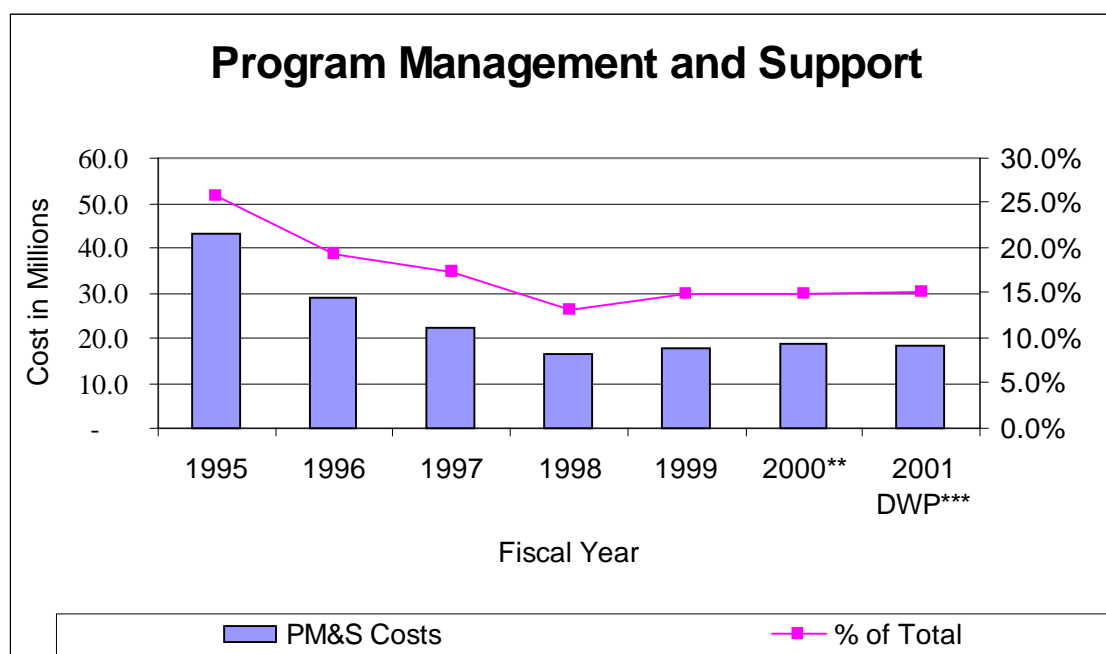
The other, more meaningful measure of the effectiveness of the PM&S Program is the ratio of the PM&S Program against ERC total program costs (excluding performance fee). Similar to the costs reduction, PM&S cost as a percentage of the total ERC Program have dropped dramatically from 26%, in 1995, to a level of 15% (as budgeted) for FY01.

The PM&S Program, similar to all other major projects, has monthly performance reviews with ERC and RL management, which provides a timely overview of the program.

The following chart provides a chronology of PM&S performance from 1995 to 2000, with the DWP forecast for FY01.

## Program Management and Support

October 1, 1999



\* Excludes DOE-RL, PNNL Costs, and BHI Fee

\* Cost Escalated to FY 2001 Dollars

\*\* Based on June EACs (Excludes \$4.2M for FY95 B&amp;O) Tax Credit)

Fiscal Year	Actuals / Forecast				Percent of Total
	Total	PM&S			
	(excl RL/PNNL/Fee)	(excl Fee)	% Esc	Esc to FY01	
1995	142.0	36.7	2.90%	43.0	25.8%
1996	131.1	25.5	2.90%	29.0	19.4%
1997	115.6	20.0	2.90%	22.2	17.3%
1998	115.9	15.2	2.90%	16.4	13.1%
1999	115.6	16.7	2.90%	17.6	14.5%
2000**	123.0	18.2	2.90%	18.7	14.8%
2001 DWP***	121.4	18.3	2.90%	18.3	15.1%

\*\*\* Note: 2001 DWP base \$ includes \$10 Million Reactor Interim Safe Storage Supplemental Funding

**Program Management and Support**

October 1, 2000

**AREA FY 2001 - FY 2003 BUDGET BASELINE TABLE**

PBS	Description	HOURS			\$1,000			
		Non Manual	Manual	Total	Labor	Material/ Eqpt/Other	SC	Total
		<b>FY 2001</b>						
RL-ER10	(ERC) Environmental Restoration Program Management an	226,865	1,849	228,714	16,414	11,177	1,393	28,985
RL-ER10	(RL) Environmental Restoration Program Management and				0	0	5,300	5,300
	<b>FY2001 TOTAL</b>	<b>226,865</b>	<b>1,849</b>	<b>228,714</b>	<b>16,414</b>	<b>11,177</b>	<b>6,693</b>	<b>34,285</b>
		<b>FY 2002</b>						
RL-ER10	(ERC) Environmental Restoration Program Management an	219,773	1,801	221,574	16,341	11,442	1,429	29,212
RL-ER10	(RL) Environmental Restoration Program Management and				0	0	5,430	5,430
	<b>FY2002 TOTAL</b>	<b>219,773</b>	<b>1,801</b>	<b>221,574</b>	<b>16,341</b>	<b>11,442</b>	<b>6,859</b>	<b>34,642</b>
		<b>FY 2003</b>						
RL-ER10	(ERC) Environmental Restoration Program Management an	214,656	1,754	216,409	16,397	11,382	1,360	29,139
RL-ER10	(RL) Environmental Restoration Program Management and				0	0	5,561	5,561
	<b>FY2003 TOTAL</b>	<b>214,656</b>	<b>1,754</b>	<b>216,409</b>	<b>16,397</b>	<b>11,382</b>	<b>6,921</b>	<b>34,700</b>

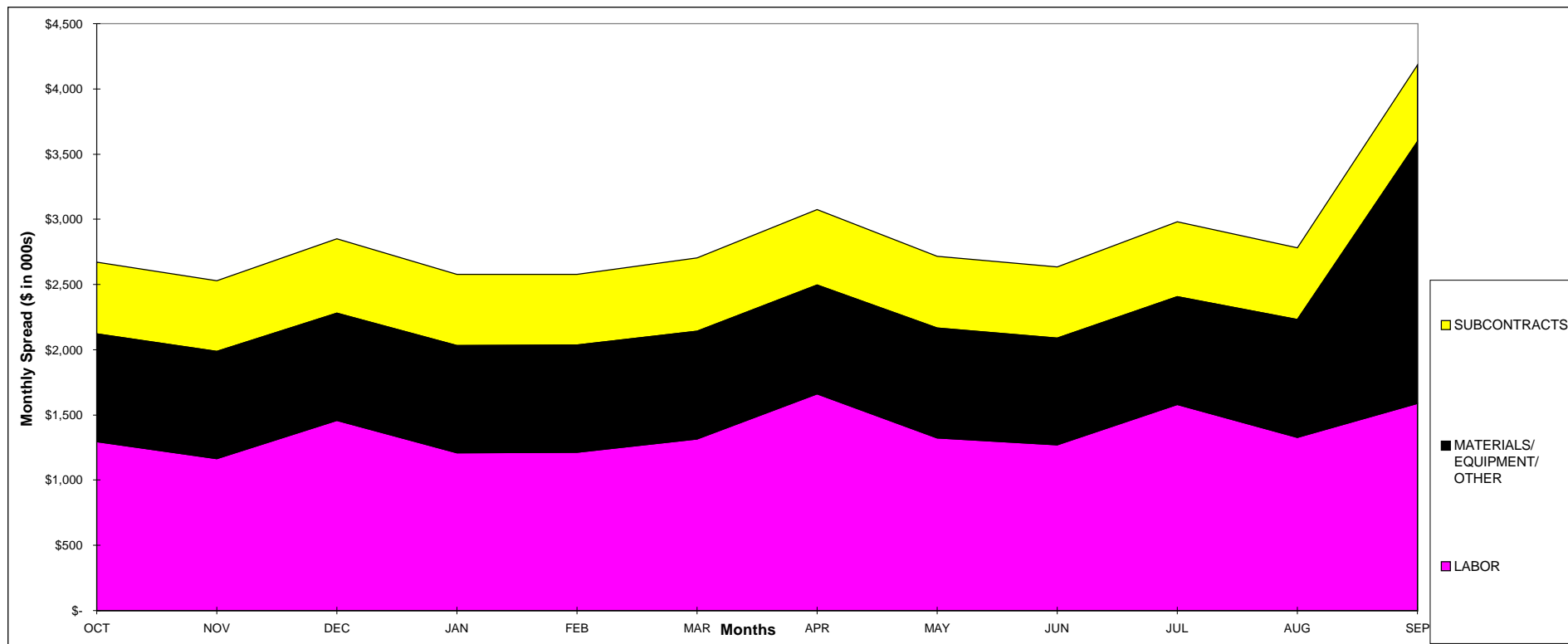
# Program Management and Support

## Area Cost/Staff Baseline

October 1, 2000

### FY 2001 AREA BASELINE EXPENDITURE FORECAST (EM-40 Only)

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ 1,293	\$ 1,165	\$ 1,458	\$ 1,210	\$ 1,216	\$ 1,317	\$ 1,662	\$ 1,324	\$ 1,271	\$ 1,581	\$ 1,329	\$ 1,590	\$ 16,414
MATERIALS/ EQUIPMENT/ OTHER	\$ 830	\$ 824	\$ 823	\$ 822	\$ 819	\$ 825	\$ 833	\$ 843	\$ 820	\$ 827	\$ 904	\$ 2,006	\$ 11,177
SUBCONTRACTS	\$ 550	\$ 539	\$ 568	\$ 545	\$ 545	\$ 563	\$ 579	\$ 550	\$ 545	\$ 573	\$ 551	\$ 586	\$ 6,693
BUDGET CURRENT	\$ 2,673	\$ 2,528	\$ 2,849	\$ 2,577	\$ 2,579	\$ 2,705	\$ 3,074	\$ 2,717	\$ 2,636	\$ 2,981	\$ 2,783	\$ 4,181	\$ 34,285
BUDGET BASELINE (DWP)	\$ 2,673	\$ 2,528	\$ 2,849	\$ 2,577	\$ 2,579	\$ 2,705	\$ 3,074	\$ 2,717	\$ 2,636	\$ 2,981	\$ 2,783	\$ 4,181	\$ 34,285
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 2,673	\$ 2,528	\$ 2,849	\$ 2,577	\$ 2,579	\$ 2,705	\$ 3,074	\$ 2,717	\$ 2,636	\$ 2,981	\$ 2,783	\$ 4,181	\$ 34,285
CUMULATIVE EAC	\$ 2,673	\$ 5,200	\$ 8,049	\$ 10,626	\$ 13,206	\$ 15,911	\$ 18,985	\$ 21,703	\$ 24,338	\$ 27,320	\$ 30,103	\$ 34,285	\$ 34,285

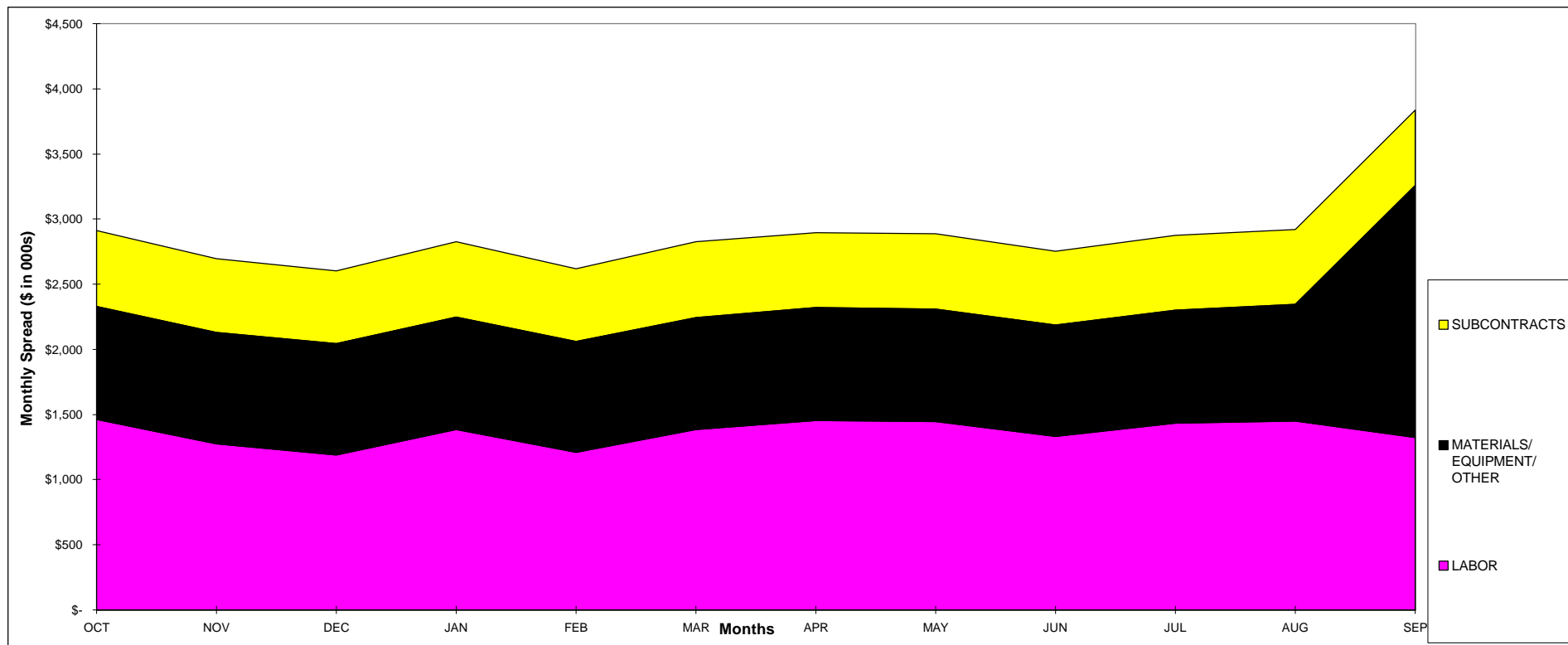
# Program Management and Support

## Area Cost/Staff Baseline

October 1, 2000

### FY 2002 AREA BASELINE EXPENDITURE FORECAST (EM-40 Only)

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ 1,462	\$ 1,273	\$ 1,189	\$ 1,384	\$ 1,208	\$ 1,384	\$ 1,455	\$ 1,446	\$ 1,331	\$ 1,435	\$ 1,451	\$ 1,325	\$ 16,341
MATERIALS/ EQUIPMENT/ OTHER	\$ 869	\$ 858	\$ 854	\$ 865	\$ 854	\$ 861	\$ 865	\$ 865	\$ 858	\$ 865	\$ 896	\$ 1,932	\$ 11,442
SUBCONTRACTS	\$ 580	\$ 563	\$ 558	\$ 575	\$ 558	\$ 583	\$ 575	\$ 575	\$ 564	\$ 575	\$ 575	\$ 578	\$ 6,859
BUDGET CURRENT	\$ 2,910	\$ 2,694	\$ 2,602	\$ 2,824	\$ 2,620	\$ 2,828	\$ 2,895	\$ 2,886	\$ 2,752	\$ 2,875	\$ 2,922	\$ 3,834	\$ 34,642
BUDGET BASELINE (DWP)	\$ 2,910	\$ 2,694	\$ 2,602	\$ 2,824	\$ 2,620	\$ 2,828	\$ 2,895	\$ 2,886	\$ 2,752	\$ 2,875	\$ 2,922	\$ 3,834	\$ 34,642
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 2,910	\$ 2,694	\$ 2,602	\$ 2,824	\$ 2,620	\$ 2,828	\$ 2,895	\$ 2,886	\$ 2,752	\$ 2,875	\$ 2,922	\$ 3,834	\$ 34,642
CUMULATIVE EAC	\$ 2,910	\$ 5,604	\$ 8,206	\$ 11,030	\$ 13,650	\$ 16,478	\$ 19,373	\$ 22,259	\$ 25,011	\$ 27,886	\$ 30,808	\$ 34,642	\$ 34,642



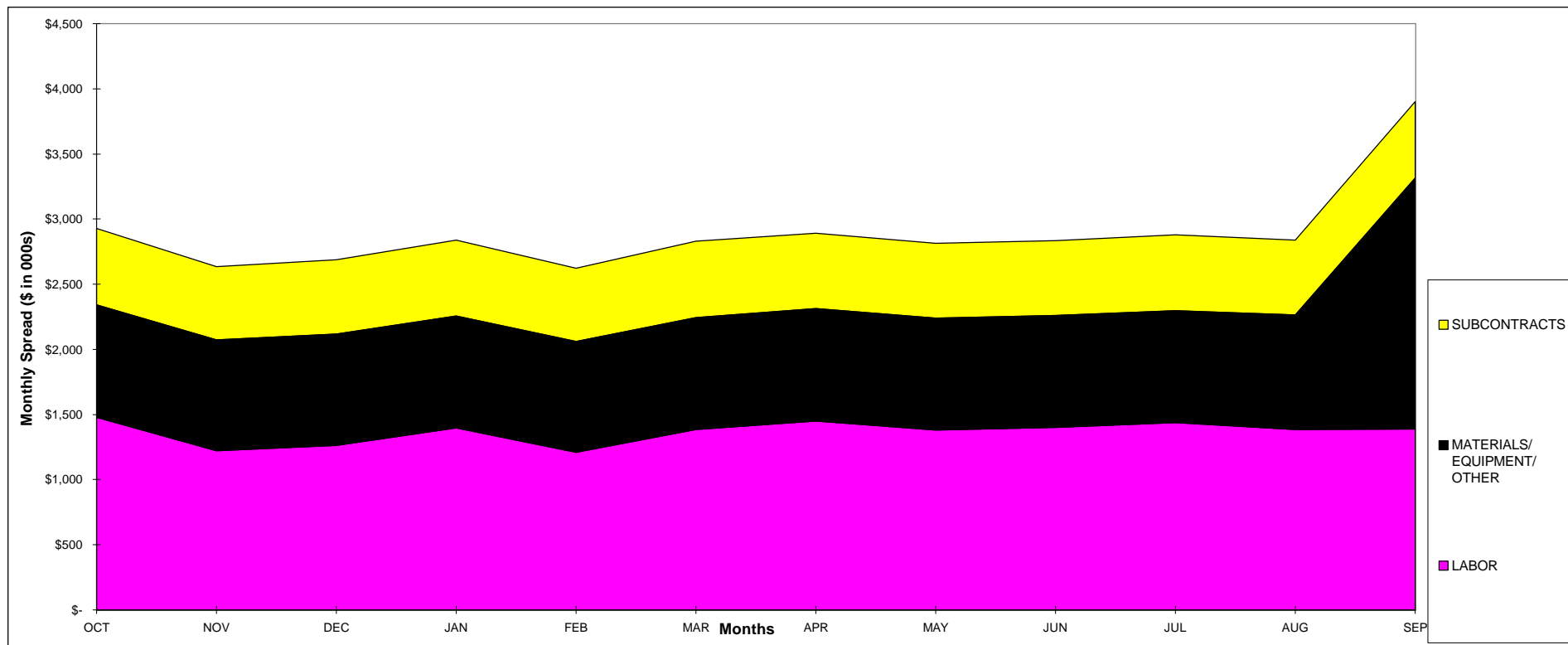
# Program Management and Support

## Area Cost/Staff Baseline

October 1, 2000

### FY 2003 AREA BASELINE EXPENDITURE FORECAST (EM-40 Only)

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ 1,478	\$ 1,222	\$ 1,263	\$ 1,396	\$ 1,208	\$ 1,386	\$ 1,451	\$ 1,382	\$ 1,401	\$ 1,436	\$ 1,386	\$ 1,389	\$ 16,397
MATERIALS/ EQUIPMENT/ OTHER	\$ 865	\$ 851	\$ 855	\$ 861	\$ 851	\$ 858	\$ 861	\$ 858	\$ 858	\$ 861	\$ 877	\$ 1,924	\$ 11,382
SUBCONTRACTS	\$ 584	\$ 563	\$ 569	\$ 580	\$ 564	\$ 588	\$ 580	\$ 575	\$ 575	\$ 580	\$ 575	\$ 588	\$ 6,921
BUDGET CURRENT	\$ 2,927	\$ 2,637	\$ 2,687	\$ 2,837	\$ 2,623	\$ 2,832	\$ 2,892	\$ 2,814	\$ 2,834	\$ 2,877	\$ 2,838	\$ 3,901	\$ 34,700
BUDGET BASELINE (DWP)	\$ 2,927	\$ 2,637	\$ 2,687	\$ 2,837	\$ 2,623	\$ 2,832	\$ 2,892	\$ 2,814	\$ 2,834	\$ 2,877	\$ 2,838	\$ 3,901	\$ 34,700
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 2,927	\$ 2,637	\$ 2,687	\$ 2,837	\$ 2,623	\$ 2,832	\$ 2,892	\$ 2,814	\$ 2,834	\$ 2,877	\$ 2,838	\$ 3,901	\$ 34,700
CUMULATIVE EAC	\$ 2,927	\$ 5,564	\$ 8,250	\$ 11,088	\$ 13,711	\$ 16,543	\$ 19,435	\$ 22,250	\$ 25,083	\$ 27,961	\$ 30,799	\$ 34,700	\$ 34,700

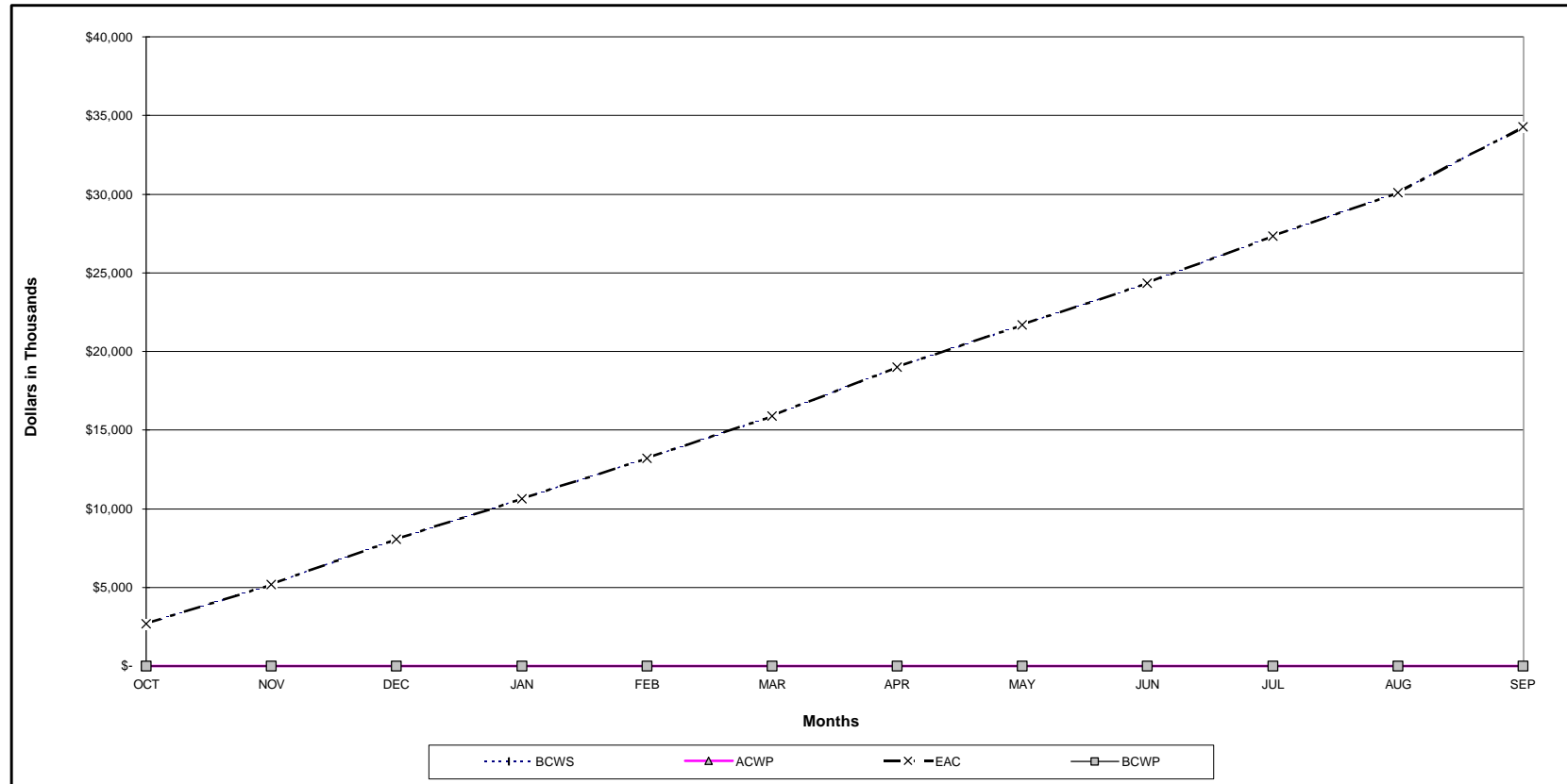
# Program Management and Support

## Area Cost/Staff Baseline

October 1, 2000

### FY 2001 AREA PERFORMANCE GRAPH (EM-40 Only)

(Dollars in Thousands)



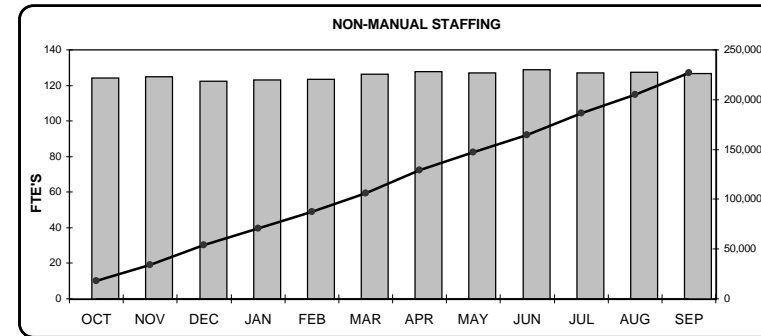
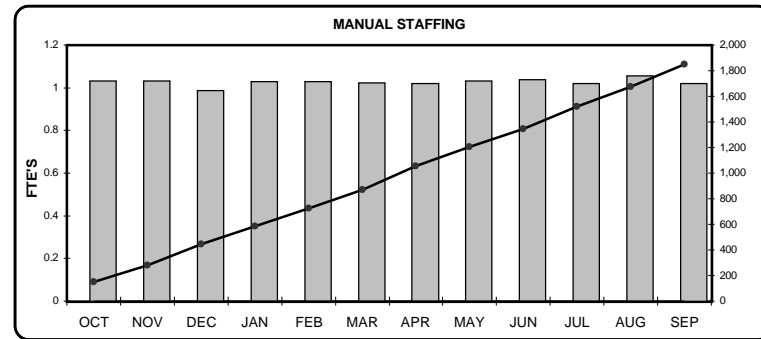
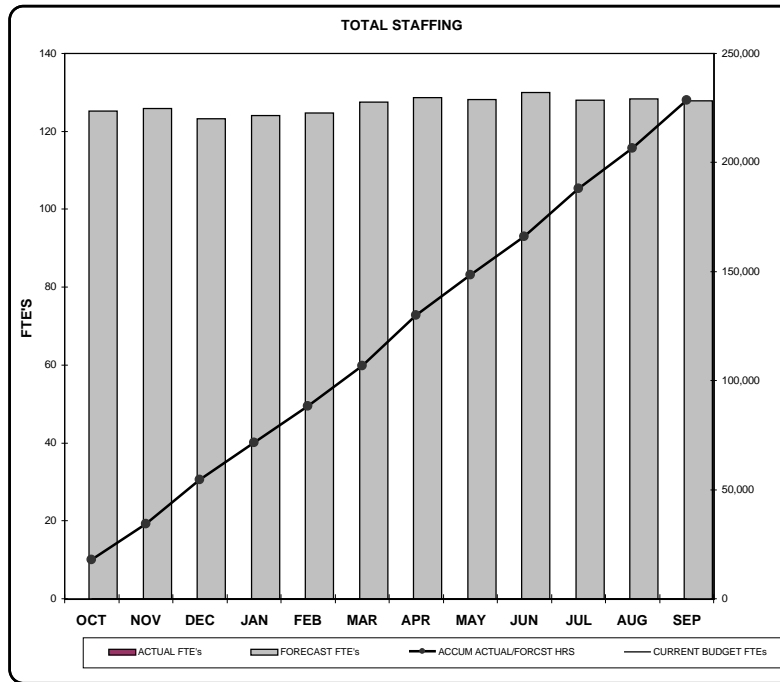
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
FY-01 DWP (10/01/2000)	\$ 2,673	\$ 2,528	\$ 2,849	\$ 2,577	\$ 2,579	\$ 2,705	\$ 3,074	\$ 2,717	\$ 2,636	\$ 2,981	\$ 2,783	\$ 4,181	\$ 34,285
CURRENT PERIOD													
BCWS	\$ 2,673	\$ 2,528	\$ 2,849	\$ 2,577	\$ 2,579	\$ 2,705	\$ 3,074	\$ 2,717	\$ 2,636	\$ 2,981	\$ 2,783	\$ 4,181	\$ 34,285
BCWP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ACWP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ETC	\$ 2,673	\$ 2,528	\$ 2,849	\$ 2,577	\$ 2,579	\$ 2,705	\$ 3,074	\$ 2,717	\$ 2,636	\$ 2,981	\$ 2,783	\$ 4,181	\$ -
CUMULATIVE/YEAR TO DATE													
BCWS	\$ 2,673	\$ 5,200	\$ 8,049	\$ 10,626	\$ 13,206	\$ 15,911	\$ 18,985	\$ 21,703	\$ 24,338	\$ 27,320	\$ 30,103	\$ 34,285	
BCWP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
ACWP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
EAC	\$ 2,673	\$ 5,200	\$ 8,049	\$ 10,626	\$ 13,206	\$ 15,911	\$ 18,985	\$ 21,703	\$ 24,338	\$ 27,320	\$ 30,103	\$ 34,285	

# Program Management and Support - ERC

## Area Cost/Staff Baseline

October 1, 2000

### FY 2001 AREA STAFFING PLAN



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Realization
<b>TOTAL STAFFING</b>													
ACTUAL FTE's	-	-	-	-	-	-	-	-	-	-	-	-	
FORECAST FTE's	125.2	125.9	123.2	124.1	124.6	127.5	128.7	128.2	130.0	127.9	128.4	127.9	126.9
MONTHLY ACTUAL/FORCST HRS	18033	34274	54608	71486	88438	106794	129956	148415	166099	188103	206594	228714	228714
ACCUM ACTUAL/FORCST HRS	18033	34274	54608	71486	88438	106794	129956	148415	166099	188103	206594	228714	228714
CURRENT BUDGET FTE's	125.2	125.9	123.2	124.1	124.6	127.5	128.7	128.2	130.0	127.9	128.4	127.9	
<b>MANUAL STAFFING</b>													
ACTUAL FTE's	-	-	-	-	-	-	-	-	-	-	-	-	
FORECAST FTE's	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
MONTHLY ACTUAL/FORCST HRS	148	281	444	585	725	872	1056	1204	1345	1521	1673	1849	1849
ACCUM ACTUAL/FORCST HRS	148	281	444	585	725	872	1056	1204	1345	1521	1673	1849	1849
CURRENT BUDGET FTE's	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	
<b>NON-MANUAL STAFFING</b>													
ACTUAL FTE's	-	-	-	-	-	-	-	-	-	-	-	-	
FORECAST FTE's	124.2	124.9	122.2	123.1	123.6	126.4	127.6	127.2	129.0	126.9	127.4	126.8	125.8
MONTHLY ACTUAL/FORCST HRS	17884	33992	54164	70902	87713	105922	128900	147211	164754	186583	204922	226865	226865
ACCUM ACTUAL/FORCST HRS	17884	33992	54164	70902	87713	105922	128900	147211	164754	186583	204922	226865	226865
CURRENT BUDGET FTE's	124.2	124.9	122.2	123.1	123.6	126.4	127.6	127.2	129.0	126.9	127.4	126.8	

## Program Management and Support - ERC

October 1, 2000

## FY 2001 AREA BASELINE STAFFING FORECAST BY RESOURCE

[Reflects \$34.8M Budget Scope]

[Reflects \$34.8M Budget Scope]		FY 2001 FTE's												
Labor Resource	FY 2001 Total Hours	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Total Realized
Non-Bargaining Labor														
BHI														
21700 PLANNING & CONTROLS	31,582	16.7	16.8	14.4	15.0	14.6	18.4	20.7	20.0	19.5	17.0	17.6	18.6	17.5
31750 ENVIRONMENTAL LEADS	840	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
31751 SAMPLE AND DATA MANAGMENT	17,711	9.8	9.8	9.8	9.8	9.9	9.8	9.8	9.8	9.9	9.8	9.8	9.8	9.8
31752 ENVIRONMENTAL SPECIALISTS	15,929	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.1	9.1	9.1	9.1	8.8
31754 REGULATORY SUPPORT	7,016	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.0	4.0	4.0	4.0	3.9
32711 DESIGN ENG - PROJECT ENGINEERS	480	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32721 DESIGN ENG - ENGINEERS	9,720	5.5	5.5	5.5	5.5	5.5	5.1	5.1	5.1	5.4	5.5	5.5	5.5	5.4
32727 DESIGN ENG - NUCLEAR/SAFETY ANAL	4,230	2.3	2.4	2.3	2.4	2.4	2.3	2.3	2.3	2.4	2.4	2.3	2.3	2.3
33700 AUTOMATION TECHNOLOGY	4,660	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
35700 COMPLIANCE AND QUALITY PROGRAM	18,742	10.3	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.6	10.6	10.6	10.3	10.4
41700 PROCUREMENT	7,168	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.1	4.2	4.3	4.1	4.0
53710 FIELD SUPPORT - CRAFT SUPERVISION	63	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
53720 FIELD SUPPORT ENGINEERING	340	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
53750 FIELD SUPPORT WASTE MANAGEMENT	2,475	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
55700 ADMINISTRATIVE SUPPORT SERVICES	47,871	26.5	26.6	26.5	26.6	26.6	26.4	26.4	26.5	26.8	26.8	26.7	26.5	26.6
58710 SAFETY AND HEALTH PROGRAM SUPP	14,077	7.6	7.6	7.6	7.6	8.5	8.6	7.6	7.6	7.9	7.9	7.9	7.5	7.8
58722 S&H RADCON ENGINEER	176	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
58723 S&H RADCON H.P./SUPPORT SERVICES	23,711	13.0	13.1	13.1	13.1	13.1	13.0	13.0	13.0	13.4	13.5	13.4	13.0	13.2
58731 S&H INDUSTRIAL HYGIENE	3,820	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
58733 S&H INDUSTRIAL SAFETY	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71700 EXTERNAL AFFAIRS	6,912	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.8	3.8
74700 INTERNAL AUDIT	50							0.1	0.2					0.0
79700 CONTRACT ADMINISTRATION	99	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
BHI	217,920	119.2	119.9	117.3	118.1	118.6	121.5	122.7	122.2	124.0	122.0	122.4	121.9	120.9
CHI														
31C53 REG SUPPORT AND ENVIRON SCIENCE	2,670	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
31C63 GEOSCIENCES/MODELING	1,300	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
31C74 ANALYTICAL FIELD SERVICES	2,250	1.2	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2
31C75 SAMPLE AND DATA MANAGEMENT	2,000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
31C90 MANAGEMENT - ENVIRON SCIENCE AN	275	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
55C00 ADMINISTRATIVE SERVICES	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
CHI	8,745	4.8	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.9	4.9	4.8	4.8	4.9
THI														
58T50 S&H RADIO CHEMISTRY	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THI	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Non-Bargaining Labor	226,865	124.2	124.9	122.2	123.1	123.6	126.4	127.6	127.2	129.0	126.9	127.4	126.8	125.8
Bargaining Labor														
BHI														
10715 HAMTC D & D WORKERS	35	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10739 HAMTC REPRODUCTION OPERATORS	1,779	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
BHI	1,814	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
THI														
10T25 HAMTC RAD CON TECHNICIANS	35	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THI	35	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bargaining Labor	1,849	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
Program Management and Support - ER	228,714	125.2	125.9	123.2	124.1	124.6	127.5	128.7	128.2	130.0	127.9	128.4	127.9	126.9

## Program Management and Support

## SUPPLEMENTAL FUNDING PLAN (5 Pages)

Project Priority	Outcomes (R-River, P-Plateau, M-Multi)	CA No.	Description of Work	Impact if Not Funded	Supplemental Requirements (\$K Impacted)		
					FY01	FY02	FY03
1	M	EA4204	Independent Technical Assessment required by DOE & 10 CFR 835 COA: MEA42421T7	The lack of this assessment required by 10 CFR 835 and contractual drivers, could potentially lead to contractual and regulatory noncompliances.	\$54.0		
1	M	EA4202	VPP Star Status; including participation in site wide VPP meetings & verification activities (3606 hrs @ \$53.93 composite rate; materials \$6.4 burdened) COA: MEA42221M4	Impacts: After having been so recently successful with the ISMS verification, this is perhaps the most opportune time to prepare for VPP evaluation in terms of efficiency and overall cost. The impact of not funding the activity in FY01 is we will lose the opportunity to benefit from these cost efficiencies and to build on the momentum from ISMS verification.	\$200.9		
				<b>TOTAL PRIORITY 1</b>	<b>\$254.90</b>		
2		EA1202	This task will provide environmental awareness training that covers the new ERC Environmental Protection Program and Environmental Management System (EMS). Key components to this task include: finalizing course presentation information, beginning Environmental training for targeted managers and supervisors, implementing the HGET Environmental Module for all employees and contractors, developing metrics, and administering the program. The Environmental Awareness and Education Program will provide training to address significant gaps that exist with the environmental protection part of the ERC ISMS. These environmental protection gaps were identified by an ISMSD internal audit conducted in March 1999. After the ISMSD audit, the EMS was revised to address these data gaps and it included the development of the Environmental Awareness and Education Program.	If this training is not funded, the significant gaps identified in the ISMSD audit will not be corrected. The program will be changed to correct these gaps, but the changes will not be implemented without training.	\$110.0		

## Program Management and Support

## SUPPLEMENTAL FUNDING PLAN (5 Pages)

Project Priority	Outcomes (R-River, P-Plateau, M-Multi)	CA No.	Description of Work	Impact if Not Funded	Supplemental Requirements (\$K Impacted)		
					FY01	FY02	FY03
2	M	EA4204	2 Protean/Tennelec low background gross alpha/beta counting system (see BCP-20219) COA: MEA42421T7	The current systems will continue to break down in FY01, and continue causing project inefficiencies (primarily RAWD) due to slow turnaround.	\$95.7		
2	M	EA4204	"Rad Gator" system for characterization of outdoor sites, includes Gator all-terrain vehicle (~\$50k), ISOCS gamma analysis system (~\$90k), and software (~\$20k) (see BCP-20219) COA: MEA42421T7	The current "Rad Tractor" uses obsolete and irreplaceable systems. When the tractor is inoperative, the labor cost of outside, large-area surveys increases enormously. The projects at highest risk are RAWD and IFS&M.	\$218.8		
				<b>TOTAL PRIORITY 2</b>	<b>\$424.50</b>		
3	M	EA4204	HPGe System to provide additional capability to VAX/Alpha operating system with shield and electronics (see BCP-20219). COA: MEA42421T7	When the primary system is unavailable due to maintenance, calibration or repair no samples can be processed, causing project inefficiencies due to slow turnaround.	\$123.1		
				<b>TOTAL PRIORITY 3</b>	<b>\$123.10</b>		
3A		EA1206	Purchase track excavator and shear to replace the Link-Belt 5400 excavator and UP-70 shear which are at the end of their operating life cycles.	If this high maintenance equipment fails, rental options for contaminated work are cost prohibitive.	\$1,200.0		

## Program Management and Support

## SUPPLEMENTAL FUNDING PLAN (5 Pages)

Project Priority	Outcomes (R-River, P-Plateau, M-Multi)	CA No.	Description of Work	Impact if Not Funded	Supplemental Requirements (\$K Impacted)		
					FY01	FY02	FY03
3A		EA1206	Purchase 4,000 gallon water truck to replace the BHI off-road style 8,000 gallon water wagon.	The 4,000 gallon water truck will be DOT legal for use on site and on public roads, thus providing increased flexibility and usage by all projects. The 4,000 gallon truck will have a significantly lower life cycle maintenance cost.	\$138.0		
3A		EA1206	Purchase two 20,000 lb. All terrain fork lifts currently in the BHI inventory that are at the end of their operating life cycles.	The existing fork lifts have high maintenance costs. The new fork lifts will have more capacity and will provide for additional off-road capability.	\$276.0		
3A		EA1206	Purchase truck mounted 70 ton crane to replace two units, a 28 ton Grove and a 40 ton Grove truck mount unit. These existing units are at the end of their operating life cycles.	The new crane will have greater capacity and longer reach.	\$954.0		
				<b>TOTAL PRIORITY 3A</b>	<b>\$2,568.00</b>		
3C		EA1206	Purchase 20,000 lb. fork lift currently in the BHI inventory that is at the end of its operating life cycle.	The existing fork lift has high maintenance costs. The new fork lift will have more capacity and will provide for additional off-road capability.		\$138.0	
3C		EA1206	Purchase rammer hammer to replace the current hammer that is at the end of its operating life cycle.	Should this hammer fail, rental is not an option for contaminated work.		\$138.0	
3C		EA1206	Purchase grader/blade to replace the current unit.	This is a scheduled replacement for the existing unit.		\$225.0	

## Program Management and Support

## SUPPLEMENTAL FUNDING PLAN (5 Pages)

Project Priority	Outcomes (R-River, P-Plateau, M-Multi)	CA No.	Description of Work	Impact if Not Funded	Supplemental Requirements (\$K Impacted)		
					FY01	FY02	FY03
3C		EA1206	Purchase 150,000 lb. Excavator to replace the current unit (245 CAT).	This is a scheduled replacement for the existing unit. Rental options for contaminated work are cost prohibitive.			\$1,087.0
				<b>TOTAL PRIORITY 3C</b>		<b>\$501.00</b>	<b>\$1,087.00</b>
4		EA1205	Develop Draft CM Plan, review CM Plan and finalize CM Plan.	Inconsistency in implementation of CM.	\$51.0		
4		EA1205	Revise BHI-MA-02, Procedure 8.3 "Configuration Management and Change Control" in its entirety.	Inconsistency in implementation of CM.	\$23.0		
4		EA1205	Conduct 1 Design Engineering, 1 Nuclear Safety and 1 ERC Integrated Self Assessment.	Dilutes verification of compliance with ERC programs.	\$37.0		
				<b>TOTAL PRIORITY 4</b>	<b>\$111.00</b>		
5		EA1201	Communicate technology information. Participate in conferences, seminars, workshops, and site exchanges to communicate technology activities, successes, and needs. The FY01 budget has been scaled back to meet targets budgets.	Reduces the potential to deploy innovative technologies that fill data gaps or improve cost and schedule.	\$47.0		
5		EA1201	Identify trends in environmental restoration for potential benefits of innovative technologies. Forecast technology needs that may arise from these trends. Monitor and influence the national technology development and research agenda to meet current and forecasted needs of the environmental restoration of the Hanford Site. Develop proposals to demonstrate and implement innovative technologies on the Hanford Site. The FY01 budget has been scaled back to meet targets budgets.	Reduces the probability of obtaining non EM-40 funding. Thus, reduced funding reduces the potential to deploy innovative technologies that fill data gaps or improve cost and schedule.	\$37.0		



## Program Management and Support

## SUPPLEMENTAL FUNDING PLAN (5 Pages)

Project Priority	Outcomes (R-River, P-Plateau, M-Multi)	CA No.	Description of Work	Impact if Not Funded	Supplemental Requirements (\$K Impacted)		
					FY01	FY02	FY03
5		EA1205	Provide Systems Engineering support to the INCOSE Environmental Systems Working Group.	Elimination of ERC input to INCOSE.	\$11.0		
5	M	EA2206	<b>Records &amp; Document Control</b>				
			Document Control	<ul style="list-style-type: none"> <li>• Further increase in document processing backlog particularly impacting the Radiological Survey Records processing</li> <li>• Doubling of correspondence processing turn-around time from 8 to 16 hours</li> <li>• Termination of a full time employee 6/30/01</li> </ul>	31.1	127.8	131.2
			Library Services	<ul style="list-style-type: none"> <li>• Library essentially will shut down 7/1/01</li> <li>• Loss of search resource will cause ERC to purchase instead of borrow library material</li> <li>• Termination of a full time employee 6/30/01</li> </ul>	6.3	25.9	26.6
			DOCS Open Data Base Administrator	<ul style="list-style-type: none"> <li>• Loss of responsiveness to our customers</li> <li>• Further reduce administrator's part-time hours</li> </ul>	1.8	1.8	1.9
				<b>TOTAL PRIORITY 5</b>	<b>\$134.2</b>	<b>\$155.5</b>	<b>\$159.7</b>
				<b>TOTAL SUPPLEMENTAL</b>	<b>\$3,615.7</b>	<b>\$656.5</b>	<b>\$1246.7</b>

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## DESCRIPTION

Fifty years of plutonium production, fuel processing, and fuel fabrication have created an ominous legacy of solid and liquid toxic waste containing radioactive and chemical contamination. With the defense mission over, the Hanford Site is now challenged with a non-defense mission to restore the Hanford Site to cleanup levels that will eventually allow for other beneficial uses of the Site.

The change from a defense mission shrouded in national secrecy to a non-defense ER cleanup mission at the Hanford Site has created a political and very complex regulatory arena, with diverse and divergent views represented by the DOE, the U.S. Environmental Protection Agency (EPA), Ecology, and numerous tribal entities, stakeholders, and trustees. Previously untouched by public opinion, expectations, and values, the Hanford Site is now secured in a regulatory framework that ties the DOE, EPA, and Ecology together in a path forward toward "getting down the road" with safe, expeditious, and cost-effective cleanup of the Hanford Site.

Working together to clean up the Hanford Site for other beneficial uses, the DOE, EPA, and Ecology have also documented their commitment in the Hanford Federal Facility Agreement and Consent Order, also called the Tri-Party Agreement. Enforceable under CERCLA, the Tri-Party Agreement is now the primary driver for all cleanup actions planned for the Hanford Site. Identified within the purview of the PM&S area of responsibility and control is the PM&S team commitment to a safe, integrated, balanced, and cost-effective restoration of the Hanford Site.

## OBJECTIVE

The primary objective at the Hanford Site will be to aggressively move forward to remediate all waste sites on the Hanford Site, in the most safe and cost-effective manner possible, in order to reach a "no further action/completion" status as soon as reasonably achievable. An integral part of the primary objective is the PM&S project with implementation of requisite management systems; baseline controls; project technical services; and safety, quality, and compliance oversight programs to ensure a successful cleanup mission. PM&S is committed to working closely with the Tri-Party representatives, Fluor Hanford (FH), and the other DOE contractors on the Hanford Site toward safe and cost-effective management of the cleanup mission. Through aggressive restructuring and streamlining of PM&S activities, management and oversight of field cleanup activities will be accomplished in the most cost-effective manner possible.

## TECHNICAL CONTENT

Work scope and reporting requirements have been summarized under the following four PM&S project areas:

1. Project Technical Support
2. Program and Project Support
3. Planning and Controls
4. CQS&H.

**Project Technical Support:** Includes technology applications, environmental sciences, sample and data management, regulatory support, design engineering, and an allowance for procurement of non-project-specific equipment.

**Program and Project Support:** Includes public involvement and community relations, project procurement, and records and document control.

**Planning and Controls:** Includes project baseline maintenance, project services, project support, ERC performance measurement, and administration of RL work requests.

**Compliance, Quality, Safety and Health:** Includes environmental compliance, quality engineering, safety and health, and self-assessments.

## ASSUMPTIONS

Listed below are the planning assumptions established by each of the ERC PM&S project areas that backup and substantiate the basis and foundation of the FY01-FY03 DWP.

### Project Technical Support

- The DWP does not include restoration efforts due to the fire in the summer of 2000.
- The DWP does not include efforts for the Hanford Site to become a National Monument.
- Support of sample and data management technical services is based on FY00 experience and on June 2000 sample projections of 10,400 samples.
- An air operating permit is issued in December 2000.

### Program and Project Support

- Procedure Coordination will be maintained at current levels.
- Document Control Services will continue to be maintained at current levels until the end of the third quarter of FY01. Service will decrease thereafter as a result of imposition of a target for FY01.
- The Environmental Resource Library will continue to operate until the end of the third quarter of FY01 and will then shut down as a result of imposition of a target for FY01.
- Records Management Services will continue at their current levels throughout FY01.
- ER public involvement activities will be integrated with other Hanford Site work through RL-Intergovernmental Public Institution (IPI) with the support of ER personnel. ER personnel will participate in HAB and HAB ER Committee meetings, up to 10 annually, for each entity. Travel is required for four HAB meetings that are not held in the Tri-Cities.

- Small, small disadvantaged, women-owned business outreach programs will operate as in previous years. However, more emphasis on this program is anticipated from the DOE and the Small Business Administration.
- PTS will be maintained at current levels of service and operations. Enhancements to the PTS software are not included in the DWP for FY01. It is anticipated that there will be no changes from the existing methods of operation.
- Additional Master Agreements to support the changing mix of needs for the various types of support to supplement in-house resources will be established (e.g., GW/VZ). PAAA/QA enhancements to construction subcontracts will require additional effort.

### **Planning and Controls**

- No resources have been allocated to support changes associated with Phase II of the MYWP/LRP update, including WBS/PBS restructuring. Guidance will not be available until September FY00. Upon receipt, a BCP will be initiated for approval prior to commencing work activities.
- No significant changes in budgeting preparation/support requirements for FY01 over FY00 (PPL/IPL and budget submittal) will occur.
- No contract transition costs are included.
- PBS/IPABS/AVS and SDD (etc.) will be essentially the same as FY00; no additional allowance for system development/debugging is included; the same systems/tools used in FY00 are planned for FY01.
- There will be no significant change in reporting requirements for FY01 over FY00 (DOE/DOE HQ, ERC).
- No allowance for major unplanned budget exercises above the DWP update activities is included.

### **CQS&H**

- DOE-AMEW directions to ERC regarding structure/content of ISMSD will not change significantly.
- ISMS policy/guidelines/handbook (DOE 450.4) will not change significantly.
- DOE does not dictate the use of a site-wide chemical tracking system.
- The 100 NR Remedial Action Project will need a full hazards assessment.
- The number of inspections by Ecology and the Washington Department of Health in FY01 will not increase over the number of inspections performed in FY00.
- The number of oversight assessments by RL, HQ, and the DNFSB will not increase more than 10% of those performed in FY00.

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- No contract changes as a result of either newly issued, or significantly revised regulations (e.g., 10 CFR 834).
  - DOE does not mandate the use of a "Site Services Manual," necessitating significant changes.
  - Changes to release requirements as a result of DOE HQ initiatives will not require changes to instruments or methodology.
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### Program Management and Support CODE OF ACCOUNT STRUCTURE CHART

1.4.10.1.3.10 ER10 - ERC (ERC) Environmental Restoration Program Management and Support

1.4.10.1.3.10.01 ERC Program Management and Support

1.4.10.1.3.10.01.01 EA Program Management and Support - ERC

1.4.10.1.3.10.01.01.01 EA1 Project Technical Support

1.4.10.1.3.10.01.01.01.32 EA12 Project Technical Support Remediation

1.4.10.1.3.10.01.01.01.32.01 EA1201 Technology Applications

#### MEA121 TECHNOLOGY DEMONSTRATION

MEA121EW10 IDENTIFY PROBLEMS/TECHNOLOGY NEEDS  
MEA121EW20 IDENTIFY/EVALUATE TECHNOLOGIES  
MEA121EW40 TECHNOLOGY INFORMATION EXCHANGE  
MEA121EW50 TECHNOLOGY PROPOSALS & LONG TERM INITIATIVES  
MEA121Y110 MANAGEMENT  
MEA121Y220 ADMINISTRATIVE SUPPORT  
MEA121Y440 MANAGEMENT ASSESSMENT & SUPPORT  
MEA121YH80 DOE SPECIAL INFORMATION REQUESTS / BUDGET EXERCISES.  
MEA121YN80 DETAILED WORK PLAN

1.4.10.1.3.10.01.01.01.32.02 EA1202 Environmental Sciences

#### MEA122 ENVIRONMENTAL SCIENCES

MEA1221B90 DATA QUALITY OBJECTIVE PROCESS OVERSIGHT AND MANAGEMENT  
MEA1221BW0 RADIOLOGICAL RELEASE OF REAL/NON-REAL PROPERTY  
MEA1221P10 NATURAL/CULTURAL RESOURCES SUPPORT  
MEA1221P20 ECOLOGICAL/CULTURAL PLANS AND CLEARANCES  
MEA1221P30 RESTORATION/REVEGETATION PLANNING  
MEA1221P40 GOVERNMENT AGENCY (I.E., DOE) TRUSTEE COUNCIL  
MEA1221P50 COORDINATION OF REMEDIATED LANDS  
MEA1221Y10 SITE CLOSURE PROCESS  
MEA1226500 CONDUCT HYDROGEOLOGICAL INVESTIGATIONS-GROUNDWATER  
MEA1226800 CONDUCT GEOPHYSICAL INVESTIGATIONS  
MEA122C100 HUMAN HEALTH ECOLOGICAL RISK ASSESSMENT  
MEA122Y120 SUPERVISION  
MEA122Y220 ADMINISTRATIVE SUPPORT  
MEA122YN80 DETAILED WORK PLAN

1.4.10.1.3.10.01.01.01.32.03 EA1203 Sample and Data Management

#### MEA123 SAMPLING & DATA MANAGEMENT

MEA123A810 FIELD SAMPLING SUPPORT/TRAINING  
MEA123A81C FIELD SAMPLING SUPPORT/TRAINING (CH2MHILL)  
MEA123A820 FIELD ANALYTICAL STRATEGY  
MEA123A82C FIELD ANALYTICAL STRATEGY (CH2MHILL)  
MEA123A830 MANAGEMENT OF SAMPLE ANALYTICAL DATA  
MEA123A840 MANAGEMENT OF ENVIRONMENTAL INFORMATION SYSTEMS (I.E. HEIS)  
MEA123A850 MANAGEMENT OF GEOGRAPHIC INFORMATION SYSTEMS  
MEA123A880 MANAGEMENT OF WASTE INFORMATION DATA SYSTEM (WIDS)  
MEA123A890 MANAGEMENT OF PROJECT SPECIFIC DATABASES  
MEA123Y120 SUPERVISION  
MEA123Y220 ADMINISTRATIVE SUPPORT  
MEA123YH80 DOE SPECIAL INFORMATION REQUESTS / BUDGET EXERCISES.  
MEA123YN80 DETAILED WORK PLAN

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#### 1.4.10.1.3.10.01.01.01.32.04 EA1204 Regulatory Support

##### MEA124 REGULATORY SUPPORT

MEA12421M9	CMS OVERSIGHT & IMPLEMENTATION
MEA1245200	ENVIRONMENTAL MANAGEMENT SYSTEMS (COORDINATION OF LAWS AND REGULATIONS)
MEA1245460	ENVIRONMENTAL REPORTS
MEA1245470	ENVIRONMENTAL PERMITS/NEPA
MEA1245500	COMPLIANCE STRATEGY AND GUIDANCE
MEA124Y120	SUPERVISION
MEA124Y220	ADMINISTRATIVE SUPPORT
MEA124YN80	DETAILED WORK PLAN

#### 1.4.10.1.3.10.01.01.01.32.05 EA1205 Design Engineering

##### MEA125 DESIGN ENGINEERING

MEA12521M8	ISMS OVERSIGHT & IMPLEMENTATION
MEA125M410	ENGINEERING DESIGN GUIDES
MEA125M470	REVIEW DOE ORDERS/REGULATIONS
MEA125M480	CONFIGURATION MANAGEMENT
MEA125M500	VALUE ENGINEERING
MEA125M710	SAFETY ENGINEERING
MEA125M800	SYSTEMS ENGINEERING
MEA125M900	DEVELOP/REVISE ENGINEERING PROCEDURES
MEA125M940	SITE-WIDE INITIATIVES AND PROGRAM-WIDE SUBCONTRACT SUPPORT
MEA125Y110	MANAGEMENT
MEA125Y120	SUPERVISION
MEA125Y220	ADMINISTRATIVE SUPPORT
MEA125Y440	MANAGEMENT ASSESSMENT & SUPPORT
MEA125YH80	DOE SPECIAL INFORMATION REQUESTS / BUDGET EXERCISES.
MEA125YN80	DETAILED WORK PLAN
MEA125YND0	PROJECT STAFF REPORTS, REVIEW, PRESENTATIONS
MEA125YT30	PERFORMANCE BASED CONTRACT INCENTIVE

#### 1.4.10.1.3.10.01.01.01.32.06 EA1206 Field Support (Equipment)

##### DEA126 FIELD SUPPORT

DEA1267W00	NON PROJECT SPECIFIC EQUIPMENT
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##### MEA126 FIELD SUPPORT

MEA1267W00	NON PROJECT SPECIFIC EQUIPMENT
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#### 1.4.10.1.3.10.01.01.01.32.08 EA1208 Waste Management and Transportation

##### MEA128 WASTE MANAGEMENT AND TRANSPORTATION

MEA1285480	WASTE MINIMIZATION/P2
MEA1285485	POLLUTION PREVENTION/WASTE MANAGEMENT
MEA1285490	WASTE MANAGEMENT INFRASTRUCTURE & REPORTING

#### 1.4.10.1.3.10.01.01.02 EA2 Project and Program Support

#### 1.4.10.1.3.10.01.01.02.32 EA22 Project and Program Support Remediation

#### 1.4.10.1.3.10.01.01.02.32.03 EA2203 External Affairs

##### MEA223 PUBLIC INVOLVEMENT

MEA2234200	PROVIDE SUPPORT FOR PUBLIC INVOLVEMENT
MEA2234W00	COMMUNICATIONS
MEA223Y110	MANAGEMENT
MEA223Y220	ADMINISTRATIVE SUPPORT
MEA223Y420	ER TOURS
MEA223YH10	STAFF/SAFETY MEETINGS/SAFETY COMMITTEE / ON-SITE
MEA223YN80	DETAILED WORK PLAN
MEA223YT30	PERFORMANCE BASED CONTRACT INCENTIVE

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**1.4.10.1.3.10.01.01.02.32.05 EA2205 Project Procurement**

**MEA225 PROJECT PROCUREMENT**

MEA2252412 INFRASTRUCTURE AND CONTRACT ADMINISTRATION  
MEA2252413 PROCEDURES/SELF ASSESSMENT/COMPLIANCE  
MEA2252414 SMALL BUSINESS  
MEA225Y110 MANAGEMENT  
MEA225Y220 ADMINISTRATIVE SUPPORT  
MEA225YN80 DETAILED WORK PLAN  
MEA225YT30 PERFORMANCE BASED CONTRACT INCENTIVE

**1.4.10.1.3.10.01.01.02.32.06 EA2206 Records and Document Control**

**MEA226 RECORDS & DOCUMENT CONTROL**

MEA2262370 PROJECT PROCEDURES COORDINATION  
MEA22623B1 DOCUMENT CONTROL  
MEA22623B2 RECORDS MANAGEMENT  
MEA22623B3 ENVIRONMENTAL RESOURCE LIBRARY  
MEA22623B5 RECORDS RETENTION/ENGINEERING RELEASE SUPPORT  
MEA2263400 ADMINISTRATIVE RECORD SUPPORT  
MEA226Y120 SUPERVISION  
MEA226Y220 ADMINISTRATIVE SUPPORT  
MEA226YHE0 BENCHMARKING  
MEA226YN80 DETAILED WORK PLAN

**1.4.10.1.3.10.01.01.03 EA3 Planning and Controls**

**1.4.10.1.3.10.01.01.03.32 EA32 Planning and Controls Remediation**

**1.4.10.1.3.10.01.01.03.32.02 EA3202 Project Baseline Management**

**MEA322 ER PROJECT BASELINE MGMT.**

MEA322Y110 MANAGEMENT  
MEA322Y120 SUPERVISION  
MEA322Y220 ADMINISTRATIVE SUPPORT  
MEA322YH10 STAFF/SAFETY MEETINGS/SAFETY COMMITTEE / ON-SITE  
MEA322YH80 DOE SPECIAL INFORMATION REQUESTS / BUDGET EXERCISES.  
MEA322YH81 TWRS REPROGRAMMING CONTINGENCY PLAN  
MEA322YN50 STRATEGIC PLANNING  
MEA322YN60 LONG RANGE PLANNING, BEMR  
MEA322YN70 BASELINE MANAGEMENT & CHANGE CONTROL  
MEA322YN80 DETAILED WORK PLAN  
MEA322YNB0 PROJECT BASELINE SUMMARY, PRIORITY LISTS, IPL'S  
MEA322YNC0 PROGRESS TRACKING SYSTEM (PTS)  
MEA322YNCO Project Baseline Management  
MEA322YND0 PROJECT STAFF REPORTS, REVIEW, PRESENTATIONS  
MEA322YNF0 AUDITS  
MEA322YNJ0 TRI-PARTY AGREEMENT (TPA SUPPORT)

**1.4.10.1.3.10.01.01.03.32.03 EA3203 Project Services**

**MEA323 ER PROJECT SERVICES**

MEA323Y120 SUPERVISION  
MEA323Y220 ADMINISTRATIVE SUPPORT  
MEA323YH80 DOE SPECIAL INFORMATION REQUESTS / BUDGET EXERCISES.  
MEA323YN10 PROCEDURES & SYSTEMS (DEV./PROCESS IMPROV.)  
MEA323YN40 FUNDS TRACKING & REPORTING  
MEA323YN80 DETAILED WORK PLAN  
MEA323YND0 PROJECT STAFF REPORTS, REVIEW, PRESENTATIONS  
MEA323YNF0 AUDITS  
MEA323YNK0 DOE WORKFORCE PLANNING & COCS SUPPORT  
MEA323YNL0 SUPPRORT DOE FUNCTIONAL COST REPORTING  
MEA323YT30 PERFORMANCE BASED CONTRACT INCENTIVE



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**1.4.10.1.3.10.01.01.03.32.04 EA3204 Project Support (ERC)**

**MEA324 PROJECT SUPPORT**

MEA324Y120 SUPERVISION  
MEA324YH10 STAFF/SAFETY MEETINGS/SAFETY COMMITTEE / ON-SITE  
MEA324YH80 DOE SPECIAL INFORMATION REQUESTS / BUDGET EXERCISES.  
MEA324YN70 BASELINE MANAGEMENT & CHANGE CONTROL  
MEA324YN80 DETAILED WORK PLAN  
MEA324YN90 PROJECT PLANNING, SCHEDULING & COST CONTROL  
MEA324YNA0 PROJECT ESTIMATES & VALIDATIONS  
MEA324YNB0 PROJECT BASELINE SUMMARY, PRIORITY LISTS, IPL'S  
MEA324YNC0 PROGRESS TRACKING SYSTEM (PTS)  
MEA324YND0 PROJECT STAFF REPORTS, REVIEW, PRESENTATIONS  
MEA324YNF0 AUDITS  
MEA324YT30 PERFORMANCE BASED CONTRACT INCENTIVE

**1.4.10.1.3.10.01.01.03.32.08 EA3208 BHI Performance Measurement**

**MEA328 BHI PERFORMANCE MEASUREMENT**

MEA328YM00 FEE

**1.4.10.1.3.10.01.01.04 EA4 CQS&H**

**1.4.10.1.3.10.01.01.04.32 EA42 CQS&H Remediation**

**1.4.10.1.3.10.01.01.04.32.02 EA4202 Safety and Health**

**MEA422 SAFETY & HEALTH**

MEA42221M1 SAFETY & HYGIENE PROGRAM MANAGEMENT  
MEA42221M2 FIRE PROTECTION FOR FY99 AND BEYOND (FOR FY98 AND PRIOR SEE 21P0)  
MEA42221M3 INDUSTRIAL HYGIENE PROGRAM FY99 AND BEYOND (FOR FY98 AND PRIOR SEE 21J0)  
MEA42221M4 INDUSTRIAL SAFETY PROGRAM FY99 AND BEYOND (FOR FY98 AND PRIOR SEE 21X0)  
MEA42221M8 ISMS OVERSIGHT & IMPLEMENTATION  
MEA42221M9 CMS OVERSIGHT & IMPLEMENTATION  
MEA42221N1 OCCURRENCE REPORTING FOR FY99 AND BEYOND, FOR FY98 AND EARLIER SEE 21N0.  
MEA42221N2 SAFEGUARD AND SECURITY  
MEA42221N3 EMERGENCY PREPAREDNESS  
MEA42221N5 EMERGENCY PREPAREDNESS HAZARDS ASSESSMENT PROGRAM  
MEA422Y220 ADMINISTRATIVE SUPPORT  
MEA422Y440 MANAGEMENT ASSESSMENT & SUPPORT  
MEA422YFK1 FACILITY EMERGENCY RESPONSE ACTIVITIES  
MEA422YH80 DOE SPECIAL INFORMATION REQUESTS / BUDGET EXERCISES.  
MEA422YN70 BASELINE MANAGEMENT & CHANGE CONTROL  
MEA422YN80 DETAILED WORK PLAN  
MEA422YND0 PROJECT STAFF REPORTS, REVIEW, PRESENTATIONS

**1.4.10.1.3.10.01.01.04.32.03 EA4203 Compliance and Quality Programs**

**MEA423 ASSESSMENTS & ENV COMPLIANCE**

MEA42321H0 ASSESSMENTS, COMPLIANCE & QUALITY PROGRAM  
MEA423Y110 MANAGEMENT  
MEA423Y220 ADMINISTRATIVE SUPPORT  
MEA423YN80 DETAILED WORK PLAN

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**1.4.10.1.3.10.01.01.04.32.04 EA4204 Radiological Control Program**

**MEA424 RADIOLOGICAL CONTROL PROGRAM**

MEA42421T1	RADIOLOGICAL CONTROL PERFORMANCE BASED CONTRACT INCENTIVES (PCBI)
MEA42421T3	RADIOLOGICAL OPERATIONS
MEA42421T5	RADIOLOGICAL MEASUREMENTS AND ENVIRONMENTAL SUPPORT (RM&ES)
MEA42421T6	RADIOLOGICAL COMPLIANCE AND SUPPORT
MEA42421T7	RADIOLOGICAL CONTROL PROGRAM MANAGEMENT
MEA424YH80	DOE SPECIAL INFORMATION REQUESTS / BUDGET EXERCISES.
MEA424YN70	BASELINE MANAGEMENT & CHANGE CONTROL
MEA424YN80	DETAILED WORK PLAN
MEA424YND0	PROJECT STAFF REPORTS, REVIEW, PRESENTATIONS

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PBS	Indenture Level							Title	HQ/ERC WBS #	B&R #
	5	6	7	8	9	10	11			
RL-ER10		X						Environmental Restoration Program Management and Support	1.4.10.1.3.10	EW02J1090
RL-ER10			X					ERC Program Management and Support	1.4.10.1.3.10.01	EW02J1090
RL-ER10				X				Program Management and Support - ERC	1.4.10.1.3.10.01.01	EW02J1090
RL-ER10					X			Project Technical Support	1.4.10.1.3.10.01.01.01	EW02J1090
RL-ER10						X		Project Technical Support Remediation	1.4.10.1.3.10.01.01.01.32	EW02J1090
RL-ER10							X	Technology Applications	1.4.10.1.3.10.01.01.01.32.01	EW02J1090
RL-ER10							X	Environmental Sciences	1.4.10.1.3.10.01.01.01.32.02	EW02J1090
RL-ER10							X	Sample and Data Management	1.4.10.1.3.10.01.01.01.32.03	EW02J1090
RL-ER10							X	Regulatory Support	1.4.10.1.3.10.01.01.01.32.04	EW02J1090
RL-ER10							X	Design Engineering	1.4.10.1.3.10.01.01.01.32.05	EW02J1090
RL-ER10							X	Field Support (Equipment)	1.4.10.1.3.10.01.01.01.32.06	EW02J1090
RL-ER10							X	Waste Management and Transportation	1.4.10.1.3.10.01.01.01.32.08	EW02J1090
RL-ER10					X			Project and Program Support	1.4.10.1.3.10.01.01.02	EW02J1090
RL-ER10						X		Project and Program Support Remediation	1.4.10.1.3.10.01.01.02.32	EW02J1090
RL-ER10							X	External Affairs	1.4.10.1.3.10.01.01.02.32.03	EW02J1090
RL-ER10							X	Project Procurement	1.4.10.1.3.10.01.01.02.32.05	EW02J1090
RL-ER10							X	Records and Document Control	1.4.10.1.3.10.01.01.02.32.06	EW02J1090
RL-ER10					X			Planning and Controls	1.4.10.1.3.10.01.01.03	EW02J1090
RL-ER10						X		Planning and Controls Remediation	1.4.10.1.3.10.01.01.03.32	EW02J1090
RL-ER10							X	Project Baseline Management	1.4.10.1.3.10.01.01.03.32.02	EW02J1090
RL-ER10							X	Project Services	1.4.10.1.3.10.01.01.03.32.03	EW02J1090
RL-ER10							X	Project Support (ERC)	1.4.10.1.3.10.01.01.03.32.04	EW02J1090
RL-ER10							X	BHI Performance Measurement	1.4.10.1.3.10.01.01.03.32.08	EW02J1090
RL-ER10							X	DWP Rate Adjustment	1.4.10.1.3.10.01.01.03.32.12	EW02J1090
RL-ER10					X			CQS&H	1.4.10.1.3.10.01.01.04	EW02J1090

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PBS	Indenture Level							Title	HQ/ERC WBS #	B&R #
	5	6	7	8	9	10	11			
RL-ER10						X		CQS&H Remediation	1.4.10.1.3.10.01.01.04.32	EW02J1090
RL-ER10							X	Safety and Health	1.4.10.1.3.10.01.01.04.32.02	EW02J1090
RL-ER10							X	Compliance and Quality Programs	1.4.10.1.3.10.01.01.04.32.03	EW02J1090
RL-ER10							X	Radiological Control Program	1.4.10.1.3.10.01.01.04.32.04	EW02J1090
RL-ER10			X					RL Program Management and Support	1.4.10.1.3.10.02	EW02J1090
RL-ER10				X				Program Management and Support - RL	1.4.10.1.3.10.02.02	EW02J1090
RL-ER10					X			Program Management - RL	1.4.10.1.3.10.02.02.02	EW02J1090
RL-ER10						X		Program Management - Remediation	1.4.10.1.3.10.02.02.02.32	EW02J1090
RL-ER10							X	Compliance Oversight	1.4.10.1.3.10.02.02.02.32.01	EW02J1090
RL-ER10							X	Environmental Restoration Project Support Activities	1.4.10.1.3.10.02.02.02.32.02	EW02J1090
RL-ER10							X	Site-Wide Services/Radiological Monitoring Support - INS Laundry	1.4.10.1.3.10.02.02.02.32.03	EW02J1090
RL-ER10							X	Laundry Support to Environmental Restoration Project	1.4.10.1.3.10.02.02.02.32.04	EW02J1090
RL-ER10							X	Electrical Support to Environmental Restoration Project	1.4.10.1.3.10.02.02.02.32.05	EW02J1090
RL-ER10							X	Service Assessment Pool	1.4.10.1.3.10.02.02.02.32.06	EW02J1090
RL-ER10							X	PNNL Technical Library/Reading Room	1.4.10.1.3.10.02.02.02.32.08	EW02J1090
RL-ER10							X	Benton County Sheriff's Office	1.4.10.1.3.10.02.02.02.32.09	EW02J1090
RL-ER10							X	Natural Resource Damage Assessment Studies/Ecosystems Management	1.4.10.1.3.10.02.02.02.32.10	EW02J1090

**MAJOR PROCUREMENT PLAN - FY 2001**

Cost Account	Task	Type of Contract	Start Date	End Date	FY01 Burdened Budget/EAC (\$K)
EA120X	MISCELLANEOUS	FP/FUP/WO	10/00	09/01	941
EA220X	MISCELLANEOUS	FP/FUP/WO	10/00	09/01	181
EA320X	MISCELLANEOUS	FP/FUP/WO	10/00	09/01	46
EA420X	MISCELLANEOUS	FP/FUP/WO	10/00	09/01	225

**MAJOR PROCUREMENT PLAN - FY 2002**

Cost Account	Task	Type of Contract	Start Date	End Date	FY02 Burdened Budget/EAC (\$K)
EA120X	MISCELLANEOUS	FP/FUP/WO	10/01	09/02	904
EA220X	MISCELLANEOUS	FP/FUP/WO	10/01	09/02	181
EA320X	MISCELLANEOUS	FP/FUP/WO	10/01	09/02	124
EA420X	MISCELLANEOUS	FP/FUP/WO	10/01	09/02	220

**MAJOR PROCUREMENT PLAN - FY 2003**

Cost Account	Task	Type of Contract	Start Date	End Date	FY03 Burdened Budget/EAC (\$K)
EA120X	MISCELLANEOUS	FP/FUP/WO	10/02	09/03	906
EA220X	MISCELLANEOUS	FP/FUP/WO	10/02	09/03	181
EA320X	MISCELLANEOUS	FP/FUP/WO	10/02	09/03	51
EA420X	MISCELLANEOUS	FP/FUP/WO	10/02	09/03	222

**NOTE:** The Major Procurement Plan for PM&S is summarized at the end function level for FY01-FY03, respectively. There are no major procurements in excess of \$100K within any single cost account.

PBS#: RL-ER10 - ERC

HQ/ERC WBS#: 1.4.10.1.3.10

TITLE: (ERC) Environmental Restoration Program Management and Support

**Subproject Strategy**

October 1, 2000

**PBS BUDGET BASELINE TABLE**

CA #	Description	HOURS			\$1,000			
		Non Manual	Manual	Total	Labor	Material/ Eqpt/Other	SC	Total
		FY 2001						
EA1201	Technology Applications	5,450		5,450	464	21	299	785
EA1202	Environmental Sciences	13,105		13,105	1,077	10	293	1,380
EA1203	Sample and Data Management	35,924		35,924	2,524	114	192	2,830
EA1204	Regulatory Support	10,845		10,845	922	13	57	992
EA1205	Design Engineering	10,919		10,919	935	16	99	1,050
EA1206	Field Support (Equipment)	68		68	5	195	0	200
EA1208	Waste Management and Transportation	2,255		2,255	158	0	0	158
	Subtotal Project Technical Support	78,565		78,565	6,086	369	941	7,395
EA2203	External Affairs	8,624	70	8,694	716	6	58	780
EA2205	Project Procurement	7,277		7,277	518	24	4	547
EA2206	Records and Document Control	30,357	1,779	32,137	1,430	61	119	1,610
	Subtotal Project and Program Support	46,259	1,849	48,108	2,665	91	181	2,937
EA3202	Project Baseline Management	19,146		19,146	1,389	0	46	1,435
EA3203	Project Services	4,439		4,439	331	0	0	331
EA3204	Project Support (ERC)	9,081		9,081	675	0	0	675
EA3208	BHI Performance Measurement				0	10,662	0	10,662
	Subtotal Planning and Controls	32,666		32,666	2,394	10,662	46	13,103
EA4202	Safety and Health	17,743		17,743	1,291	18	0	1,309
EA4203	Compliance and Quality Programs	23,492		23,492	1,934	15	0	1,950
EA4204	Radiological Control Program	28,140		28,140	2,044	22	225	2,291
	Subtotal CQS&H	69,374		69,374	5,269	55	225	5,550
	FY 2001 TOTAL	226,865	1,849	228,714	16,414	11,177	1,393	28,985
		FY 2002						
EA1201	Technology Applications	5,307		5,307	464	21	299	785
EA1202	Environmental Sciences	12,759		12,759	1,077	10	293	1,380
EA1203	Sample and Data Management	34,300		34,300	2,475	112	188	2,775
EA1204	Regulatory Support	10,562		10,562	922	12	57	992
EA1205	Design Engineering	10,849		10,849	954	30	66	1,050
EA1206	Field Support (Equipment)	20		20	1	59	0	60
EA1208	Waste Management and Transportation	2,195		2,195	158	0	0	158
	Subtotal Project Technical Support	75,992		75,992	6,052	244	904	7,200
EA2203	External Affairs	8,395	68	8,463	716	6	58	780
EA2205	Project Procurement	7,085		7,085	518	27	4	550
EA2206	Records and Document Control	29,560	1,732	31,292	1,434	57	119	1,610
	Subtotal Project and Program Support	45,039	1,801	46,840	2,669	90	181	2,940
EA3202	Project Baseline Management	18,082		18,082	1,346	0	109	1,455
EA3203	Project Services	4,328		4,328	330	0	10	340
EA3204	Project Support (ERC)	8,838		8,838	675	0	5	680
EA3208	BHI Performance Measurement				0	10,461	0	10,461
EA3212	DWP Adjustment				0	593	0	593
	Subtotal Planning and Controls	31,248		31,248	2,351	11,054	124	13,529
EA4202	Safety and Health	17,275		17,275	1,291	16	0	1,307
EA4203	Compliance and Quality Programs	22,820		22,820	1,935	15	0	1,950
EA4204	Radiological Control Program	27,400		27,400	2,044	21	220	2,286
	Subtotal CQS&H	67,495		67,495	5,269	53	220	5,543
	FY 2002 TOTAL	219,773	1,801	221,574	16,341	11,442	1,429	29,212
		FY 2003						
EA1201	Technology Applications	5,167		5,167	464	21	299	785
EA1202	Environmental Sciences	12,426		12,426	1,077	10	293	1,380
EA1203	Sample and Data Management	33,400		33,400	2,475	112	188	2,775
EA1204	Regulatory Support	10,284		10,284	922	12	57	992
EA1205	Design Engineering	10,749		10,749	970	12	68	1,050
EA1206	Field Support (Equipment)	13		13	1	39	0	40

PBS#: RL-ER10 - ERC

HQ/ERC WBS#: 1.4.10.1.3.10

TITLE: (ERC) Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

### PBS BUDGET BASELINE TABLE

CA #	Description	HOURS			\$1,000			
		Non Manual	Manual	Total	Labor	Material/ Eqpt/Other	SC	Total
EA1208	Waste Management and Transportation	2,138		2,138	158	0	0	158
	<b>Subtotal Project Technical Support</b>	<b>74,178</b>		<b>74,178</b>	<b>6,068</b>	<b>207</b>	<b>906</b>	<b>7,180</b>
EA2203	External Affairs	8,179	67	8,246	717	6	58	780
EA2205	Project Procurement	6,899		6,899	518	27	4	550
EA2206	Records and Document Control	28,782	1,687	30,470	1,438	53	119	1,610
	<b>Subtotal Project and Program Support</b>	<b>43,860</b>	<b>1,754</b>	<b>45,614</b>	<b>2,673</b>	<b>86</b>	<b>181</b>	<b>2,940</b>
EA3202	Project Baseline Management	18,072		18,072	1,382	0	37	1,419
EA3203	Project Services	4,218		4,218	331	0	9	340
EA3204	Project Support (ERC)	8,606		8,606	675	0	5	680
EA3208	BHI Performance Measurement				0	10,467	0	10,467
EA3212	DWP Adjustment				0	568	0	568
	<b>Subtotal Planning and Controls</b>	<b>30,896</b>		<b>30,896</b>	<b>2,388</b>	<b>11,035</b>	<b>51</b>	<b>13,474</b>
EA4202	Safety and Health	16,822		16,822	1,291	17	0	1,308
EA4203	Compliance and Quality Programs	22,220		22,220	1,935	15	0	1,950
EA4204	Radiological Control Program	26,679		26,679	2,044	21	222	2,287
	<b>Subtotal CQS&amp;H</b>	<b>65,722</b>		<b>65,722</b>	<b>5,270</b>	<b>54</b>	<b>222</b>	<b>5,545</b>
	<b>FY 2003 TOTAL</b>	<b>214,656</b>	<b>1,754</b>	<b>216,409</b>	<b>16,397</b>	<b>11,382</b>	<b>1,360</b>	<b>29,139</b>

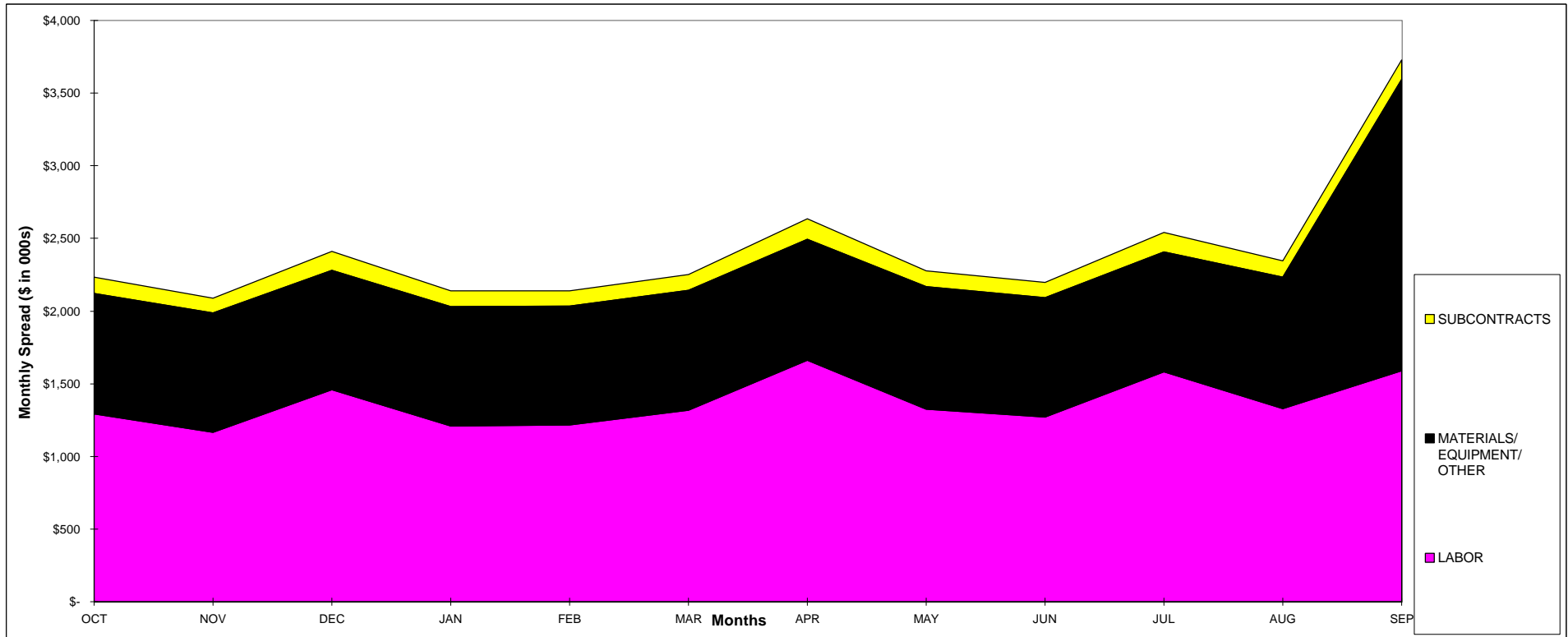
PBS#: ER10 - ERC  
 HQ/ERC WBS#: 1.4.10.1.3.10.01  
 TITLE: ERC Program Management and Support

## Subproject Strategy

October 1, 2000

### FY 2001 (ADS) BASELINE EXPENDITURE FORECAST

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ 1,293	\$ 1,165	\$ 1,458	\$ 1,210	\$ 1,216	\$ 1,317	\$ 1,662	\$ 1,324	\$ 1,271	\$ 1,581	\$ 1,329	\$ 1,589	\$ 16,414
MATERIALS/ EQUIPMENT/ OTHER	\$ 830	\$ 824	\$ 823	\$ 822	\$ 819	\$ 825	\$ 833	\$ 843	\$ 820	\$ 827	\$ 904	\$ 2,006	\$ 11,177
SUBCONTRACTS	\$ 111	\$ 100	\$ 128	\$ 105	\$ 105	\$ 111	\$ 139	\$ 111	\$ 105	\$ 133	\$ 111	\$ 133	\$ 1,393
BUDGET CURRENT	\$ 2,233	\$ 2,088	\$ 2,409	\$ 2,138	\$ 2,140	\$ 2,253	\$ 2,635	\$ 2,278	\$ 2,196	\$ 2,542	\$ 2,344	\$ 3,729	\$ 28,984
BUDGET BASELINE (DWP)	\$ 2,233	\$ 2,088	\$ 2,409	\$ 2,138	\$ 2,140	\$ 2,253	\$ 2,635	\$ 2,278	\$ 2,196	\$ 2,542	\$ 2,344	\$ 3,729	\$ 28,984
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 2,233	\$ 2,088	\$ 2,409	\$ 2,138	\$ 2,140	\$ 2,253	\$ 2,635	\$ 2,278	\$ 2,196	\$ 2,542	\$ 2,344	\$ 3,729	\$ 28,984
CUMULATIVE EAC	\$ 2,233	\$ 4,321	\$ 6,731	\$ 8,869	\$ 11,008	\$ 13,261	\$ 15,895	\$ 18,173	\$ 20,370	\$ 22,912	\$ 25,255	\$ 28,984	\$ 28,984



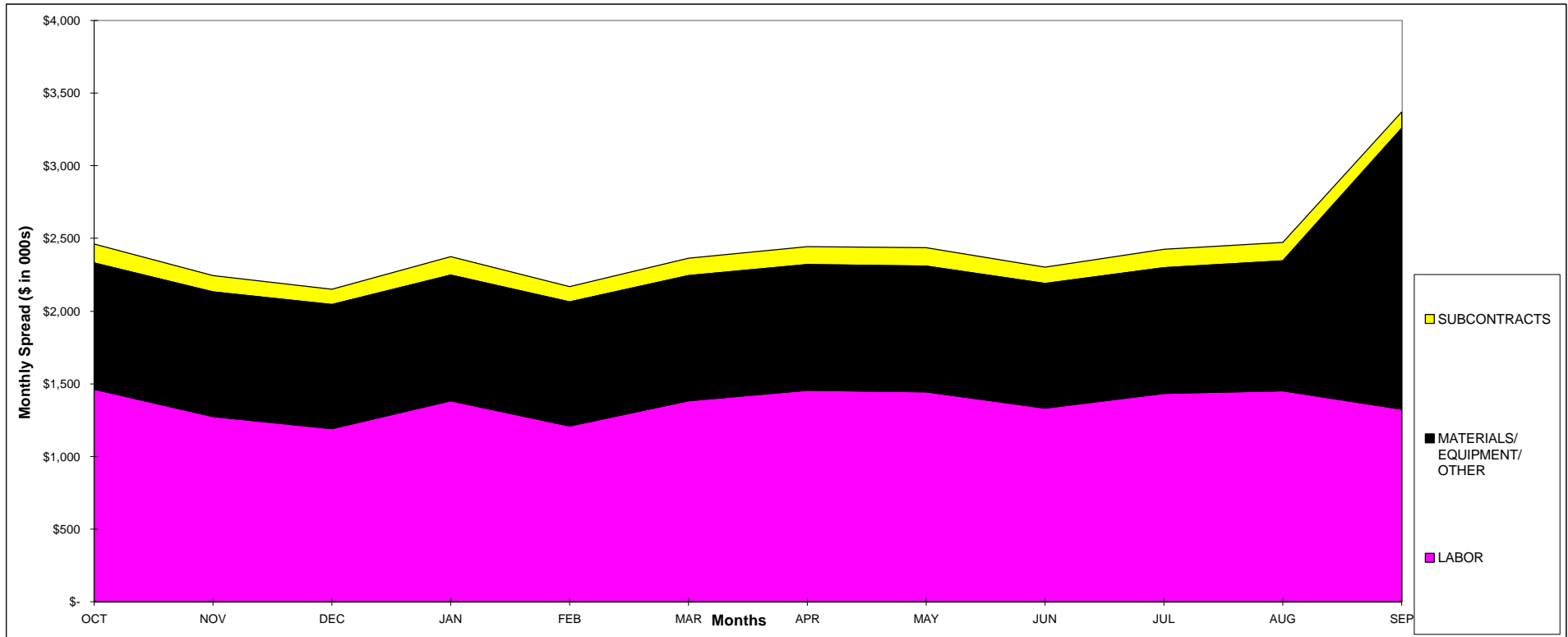
PBS#: ER10 - ERC  
 HQ/ERC WBS#: 1.4.10.1.3.10.01  
 TITLE: ERC Program Management and Support

## Subproject Strategy

October 1, 2000

### FY 2002 (ADS) BASELINE EXPENDITURE FORECAST

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ 1,462	\$ 1,273	\$ 1,189	\$ 1,384	\$ 1,208	\$ 1,384	\$ 1,455	\$ 1,446	\$ 1,331	\$ 1,435	\$ 1,451	\$ 1,325	\$ 16,341
MATERIALS/ EQUIPMENT/ OTHER	\$ 869	\$ 858	\$ 854	\$ 865	\$ 854	\$ 861	\$ 865	\$ 865	\$ 858	\$ 865	\$ 896	\$ 1,932	\$ 11,442
SUBCONTRACTS	\$ 130	\$ 113	\$ 108	\$ 125	\$ 108	\$ 119	\$ 125	\$ 125	\$ 114	\$ 125	\$ 125	\$ 114	\$ 1,429
BUDGET CURRENT	\$ 2,460	\$ 2,244	\$ 2,151	\$ 2,374	\$ 2,170	\$ 2,364	\$ 2,445	\$ 2,436	\$ 2,302	\$ 2,425	\$ 2,471	\$ 3,370	\$ 29,212
BUDGET BASELINE (DWP)	\$ 2,460	\$ 2,244	\$ 2,151	\$ 2,374	\$ 2,170	\$ 2,364	\$ 2,445	\$ 2,436	\$ 2,302	\$ 2,425	\$ 2,471	\$ 3,370	\$ 29,212
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 2,460	\$ 2,244	\$ 2,151	\$ 2,374	\$ 2,170	\$ 2,364	\$ 2,445	\$ 2,436	\$ 2,302	\$ 2,425	\$ 2,471	\$ 3,370	\$ 29,212
CUMULATIVE EAC	\$ 2,460	\$ 4,704	\$ 6,855	\$ 9,229	\$ 11,399	\$ 13,763	\$ 16,208	\$ 18,644	\$ 20,946	\$ 23,371	\$ 25,842	\$ 29,212	\$ 29,212

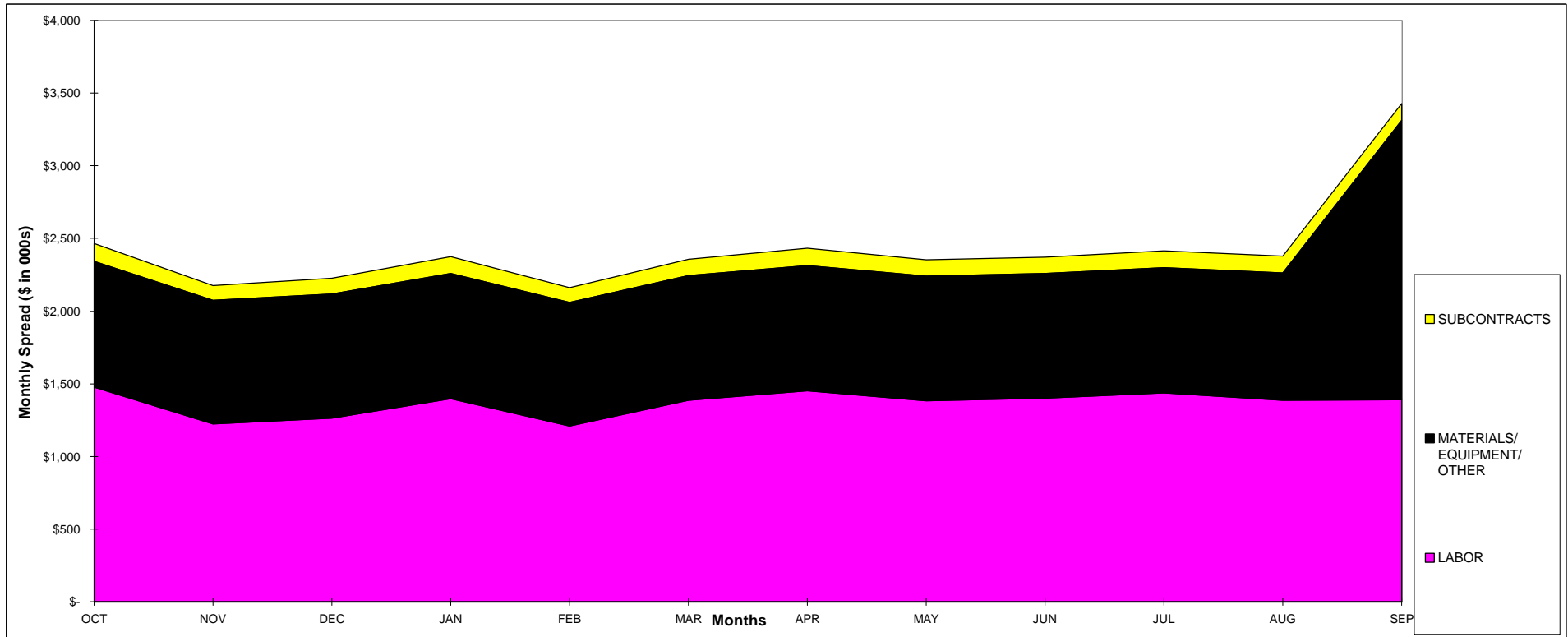
PBS#: ER10 - ERC  
 HQ/ERC WBS#: 1.4.10.1.3.10.01  
 TITLE: ERC Program Management and Support

## Subproject Strategy

October 1, 2000

### FY 2003 (ADS) BASELINE EXPENDITURE FORECAST

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ 1,478	\$ 1,222	\$ 1,263	\$ 1,396	\$ 1,208	\$ 1,386	\$ 1,451	\$ 1,382	\$ 1,401	\$ 1,436	\$ 1,386	\$ 1,389	\$ 16,397
MATERIALS/ EQUIPMENT/ OTHER	\$ 865	\$ 851	\$ 855	\$ 861	\$ 851	\$ 858	\$ 861	\$ 858	\$ 858	\$ 861	\$ 877	\$ 1,924	\$ 11,382
SUBCONTRACTS	\$ 123	\$ 102	\$ 108	\$ 119	\$ 103	\$ 113	\$ 119	\$ 113	\$ 113	\$ 119	\$ 113	\$ 113	\$ 1,360
BUDGET CURRENT	\$ 2,466	\$ 2,176	\$ 2,226	\$ 2,376	\$ 2,162	\$ 2,357	\$ 2,431	\$ 2,353	\$ 2,373	\$ 2,416	\$ 2,377	\$ 3,426	\$ 29,139
BUDGET BASELINE (DWP)	\$ 2,466	\$ 2,176	\$ 2,226	\$ 2,376	\$ 2,162	\$ 2,357	\$ 2,431	\$ 2,353	\$ 2,373	\$ 2,416	\$ 2,377	\$ 3,426	\$ 29,139
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 2,466	\$ 2,176	\$ 2,226	\$ 2,376	\$ 2,162	\$ 2,357	\$ 2,431	\$ 2,353	\$ 2,373	\$ 2,416	\$ 2,377	\$ 3,426	\$ 29,139
CUMULATIVE EAC	\$ 2,466	\$ 4,641	\$ 6,867	\$ 9,243	\$ 11,406	\$ 13,763	\$ 16,194	\$ 18,547	\$ 20,920	\$ 23,336	\$ 25,713	\$ 29,139	\$ 29,139

**TECHNOLOGY APPLICATIONS**

**EA1201**

1.4.10.1.3.10.01.01.01.32.01

**COST ACCOUNT PLAN**

**KEY PROJECT TEAM MEMBERS**

**Task Lead (CAM):** A. G. Dada  
**DOE-RL:** J. M. Nelson  
**Project Engineer:** A. G. Dada  
**Field Support:** N/A  
**QS&H:** N/A  
**Project Controls:** S. E. Vukelich  
**PSS Rep:** N/A  
**RL Lead:** A. C Tortoso/J. D. Goodenough

**WORK DESCRIPTION** (Provide general work description of facility/building.)

**General Description:**

Compile and communicate ER Project problems, develop a list of technology needs, and communicate with technology developers/owners to identify potential solutions.

Identify innovative technologies with the potential to meet priority technology needs and improve on current project baselines. Screen technologies for technical adequacy and for cost and schedule performance. Complete evaluations of technologies that show a high potential to meet identified priority problems and technology needs, and which improve on the current baseline. Identify actions required to make technologies "deployable."

Communicate technology information. Participate in conferences, seminars, workshops, and site exchanges to communicate technology activities, successes, and needs.

Identify trends in environmental restoration for potential benefits of innovative technologies. Forecast technology needs that may arise from these trends. Monitor national technology development and research agendas to meet current and forecasted needs for environmental restoration at the Hanford Site.

Develop proposals to demonstrate and implement innovative technologies at the Hanford Site.

Interface with the DOE Office of Science and Technology and focus areas to communicate Hanford ER Program technology needs and support requirements.

Coordinate general management activities related to technology applications. These tasks may include personnel direction, setting organizational goals, and interactions with BHI and DOE management staff.

Provide administrative support to successfully complete work products, deliverables, and reports on schedule. Assist in developing correspondence and reports, editing, and preparing and tracking budgets.

Conduct management assessments, strategic planning, and evaluation and resolution of issues.

Provide input and preparation of the Detailed Work Plan (DWP), including estimating and preparing cost account plans and schedules that includes review of the DWP with management, RL, and the regulators, as well as incorporation of changes recommended during the reviews.

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**TECHNOLOGY APPLICATIONS**

**EA1201**

1.4.10.1.3.10.01.01.01.32.01

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**TASKS TO BE PERFORMED IN FY 2001:**

- Maintain partnerships with BHI projects and jointly prioritize technology needs requiring support.
- Provide support to projects to develop technology needs statements to utilize in searching for technology solutions from industry and/or the DOE Office of Science and Technology.
- Provide linkages to the Long Range Plan, paths to closure, and other key DOE databases for BHI technology and science needs.
- Implement DOE Office of Science and Technology performance metrics.
- Identify and evaluate technologies with the potential to improve ER Project baselines. Interface with technology owners/developers to obtain technology information.
- Update/improve technology needs statements and Technology Insertion Points.
- Develop project data packages to support technology information exchange and to communicate project results.
- Provide a year-end report on Technology Application accomplishments.
- Monitor opportunities for partnering and influencing material technology strategies. Develop up to two proposals for technology identification, testing, demonstration, and deployment.
- Facilitate completion of ITRD processes for strontium and carbon tetrachloride processes.
- Continue partnering actions with the DOE Office of Science and Technology and focus areas.
- Management activities.
- Administrative support activities.
- Perform self assessments on quality of support to each BHI project.
- Preparation of the DWP.

**TASKS TO BE PERFORMED IN FY 2002:**

Same as FY01.

**TASKS TO BE PERFORMED IN FY 2003:**

Same as FY01.

PBS#: ER 10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

### TECHNOLOGY APPLICATIONS

EA1201

1.4.10.1.3.10.01.01.01.32.01

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• Identify DWP items with high technical risk	09/01, 02 & 03
• Review high technical risk items, develop TIP goals, and prepare a schedule	12/00, 01 & 02
• Identify technical plans for high risk items	09/01, 02 & 03
• Prepare list of planned technology deployments	01/01, 02 & 03
• Document and validate cost savings for deployments (mid-year)	05/01, 02 & 03
• Document and validate cost savings for deployments (year-end)	09/01, 02 & 03
• Year end report on Technology Application accomplishments.	01/01, 02 & 03
• Develop a long term initiative plan (including potential proposals)	03/01, 02 & 03
• Develop up to two proposals to obtain technology demonstration/ deployment support	As required
• Detailed Work Plan	09/01, 02 & 03

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- Work scope is based on similar level of effort as in FY99 and FY00.
- PNNL will provide Technology Applications support.
- Technology information exchange does not include conducting conferences, seminars, workshops and site exchanges.

**WORK ORDERS** (i.e., work to be performed by FDH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
PNNL	01	Technology Application Support
PNNL	02	Technology Application Support
PNNL	03	Technology Application Support

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Travel	01	Technology Information Exchange & Proposals
Travel	02	Technology Information Exchange & Proposals
Travel	03	Technology Information Exchange & Proposals

PBS#: ER 10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

ENVIRONMENTAL SCIENCES

EA1202

1.4.10.1.3.10.01.01.01.32.02

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): W. H. Price/D. D. Teel  
DOE-RL: J. M. Nelson  
Project Engineer: W. H. Price/D. D. Teel/L. A. Dietz  
Field Support: N/A  
QS&H: N/A  
Project Controls: S. E. Vukelich  
PSS Rep: N/A  
RL Lead: M. P. Blancq/J. H. Zeisloft

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

Coordinate the ERC DQO process by providing ERC Projects with technical assistance, subcontract support, functional reviews, oversight, technical assessments, training, procedures, status reports, and electronic tools.

Coordinate ERC Radiological Release processes by providing ERC Projects with technical assistance, functional reviews, technical oversight, technical assessments, training, procedures, and guidance.

Administer and conduct self-assessments, and provide technical oversight for ERC implementation of natural and cultural resource programs. Prepare materials for and participate in natural and cultural resource presentations for the DOE, workshops, conferences, and seminars. Administer and provide oversight for the implementation of CERCLA and NEPA mitigation requirements. Ensure ERC project, regulator, stakeholder, and tribal continuity with respect to guidance, policy, and regulatory interpretation of all natural and cultural resource laws. Provide natural and cultural field awareness training/opportunities to the DOE/ERC. Assist DOE in maintaining cooperative tribal and community relations with respect to natural and cultural resource protection; identify issues for discussion at tribal and public forums; develop background information; conduct follow-up contacts with tribal representatives or interested parties. Maintain technical expertise through professional development.

Administer programmatic implementation of the Biological Resource Mitigation Action Plan (BRMAP) and the Cultural Resources Management Plan (CRMP). Represent the ERC on the CRMP Coordinating Council, provide technical assistance with revisions or supplemental text as requested. Implement the Native American Cultural Landscape model; identify areas of concern through consultations, oral interviews, and site inspections; document findings within a secured GIS application. Assist in development of the archeological/traditional cultural places programmatic agreement. Provide staff support and technical assistance for the development of site-wide strategies to comply with cultural and ecological resource requirements. Prepare technical reviews/clearances of site-wide plans affecting cultural and ecological resources. Implement and provide documentation with respect to the Endangered Species Act. Maintain the ERC ecological/cultural clearance tracking system and records for data collected, evaluated, and used in making recommendations for project clearances and mitigation measures. Provide technical assistance, planning, and oversight for threatened and endangered species. Assist the DOE with tribal relations with respect to cultural resource protection and perform specific tasks as requested.

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**ENVIRONMENTAL SCIENCES**

**EA1202**

1.4.10.1.3.10.01.01.01.32.02

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Provide technical support and guidance to the DOE and ERC for programmatic restoration/revegetation issues. Coordinate the ERC herbicide program and determine requirements for proper application to ensure support of DOE land use decisions and future revegetation success in support of environmental restoration activities. Provide technical oversight to ensure minimal impacts to the environment, and pursue new technology and products for application. Coordinate restoration/revegetation monitoring activities for ERC sites. Assess, document, and implement strategies for the recovery of mitigation efforts impacted by the Hanford Site range fire. Provide subcontract support for the Native Plant Identification and Propagation task order with the Nez Perce Tribe. Provide subcontract support to seed multiplication contract with L&H Seeds, Inc.

Provide technical and administrative support and assistance to the DOE for the Natural Resources Trustee Council. Assist the DOE in developing natural resource strategies and policies. Conduct site visits and coordinate presentations. Provide oversight to ensure minimal impacts to the environment with respect to CERCLA and natural resource damage assessments. Provide information on ERC projects to trustees for their review and discussion in order to maintain current and projected ERC schedules. Coordinate and present revegetation, mitigation, and monitoring activities to the NRTC. Support and assist the DOE in the coordination and participation of the DOE complex-wide Natural Resources Damage Assessment Steering Committee. Provide and maintain technical expertise for DOE Trustee Council Activities.

Support the DOE in management of transition of remediated lands to be managed by the Department of Interior. Work with ERC projects/functions to ensure communication/coordination, and to assist in planning for a path forward. Assist in coordinating technical activities with respect to contaminant issues with such activities as MOUs, MOAs, field studies, implications of NRDA, land-use, tribal and trust entities coordination and communications, schedules, budgets, and strategies. Provide regulatory status, implications, and updates.

Provide technical support and assistance to DOE-RL for Hanford-related Department of Interior (U.S. Fish and Wildlife Service and Bureau of Land Management) activities. Scoping activities include providing in-field data collection and documentation of activities, providing technical reports and white papers, presentations, GPS and GIS mapping support, coordination of technical exchange meetings, and tracking progress.

Coordinate the ERC site closure process by providing ERC Projects with technical assistance for subcontract support, functional reviews, technical oversight, technical assessments, training, procedures, electronic templates, and other tools needed for site closure.

Provide technical oversight of geohydrologic elements of the ERC RCRA Permit Implementation Plan (purgewater, resource protection wells, groundwater monitoring, and mapping and marking of underground piping). Provide technical oversight and assessments for the ERC drilling program. Provide technical support to DOE-RL for site-wide geohydrologic issues, and responses to questions from DOE-RL and HQ, DNFSB, stakeholders, and other interested parties. Maintain the geohydrologic Environmental Investigation Procedures in BHI-EE-01. Maintain site background information and geohydrologic baseline data to support projects. Provide laboratory services for age dating. Develop and maintain technical guidance for preparing pre-ROD documents and geotechnical/geoscience databases (Stratifact, gINT, ROCKSAN). Maintain geohydrologic expertise through training and professional conferences.

Administer geophysical logging and geologic task order subcontracts; act as technical liaison with geophysical logging contractor; maintain geophysical databases and procedures for collecting

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**ENVIRONMENTAL SCIENCES**

**EA1202**

1.4.10.1.3.10.01.01.01.32.02

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geophysical data; and provide technical oversight of geophysical elements of ERC activities including aerial, surface, and borehole data acquisition and interpretation.

Develop overall human health and ecological risk assessment strategies, and perform project-specific and site-wide or related risk assessments. Assist in developing ERC policies and guidelines for risk management. Recommend cleanup criteria based on risk assessments, fate, and transport modeling. Perform site historical research and evaluations to support identification and quantification of information needed for overall planning and implementation of risk management strategies. Support determination of project data quality objectives and cost data analysis as these pertain to risk assessment. Develop and maintain a consistent ERC statistical approach for sampling and analysis activities that apply across projects. Conduct technical oversight and perform evaluations of risk assessment activities on a project-wide basis. Provide limited (<40 hours) technical support to DOE's Central Risk Assessment Council, and assist in developing risk analysis strategies for DOE complex-wide programs. Evaluate and revise site-wide policies, strategies, and guidance documents as appropriate. Provide and maintain technical expertise/oversight for risk assessment elements.

Directly supervise and coordinate environmental sciences and related work activities. Provide administrative support to successfully complete environmental sciences and related work products, deliverables, and reports on schedule. Assist in developing correspondence and reports, editing, and budget preparation tracking. Prepare the annual Detailed Work Plan (DWP) for environmental sciences. Plan for all activities, including estimating and preparation of work plan cost charts, waste information, and schedules, including reviews of work plan with management, RL and the regulators. Incorporate changes recommended during the reviews.

**TASKS TO BE PERFORMED IN FY 2001:**

- Complete, revise, and issue a list of activities requiring DQOs.
- Maintain, revise, refine electronic DQO templates for projects.
- Provide oversight for the CHI and contract DQO services.
- Provide DQO training.
- Revise the DQO procedure and process, as required.
- Provide DQO technical assistance to ERC projects.
- Maintain, revise, refine ERC DQO web page.
- Coordinate and provide oversight of the radiological release program.
- Provide programmatic oversight and integration for Natural and Cultural Resources.
- Provide the DOE with technical evaluation and input for Natural and Cultural Resources.
- Implement CERCLA and NEPA mitigation requirements.
- Provide technical review support to the DOE for such regulatory laws as the Natural Resource Damage Assessments and the Model Toxics Control Act (MTCA).



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- Coordinate Hanford Site mitigation mapping.
- Provide oversight and technical support for the Native Plant Identification and Propagation project.
- Provide technical assistance to the DOE for tribal and public meetings.
- Provide natural and cultural field training and education.
- Implement the Biological Resource Management Plan (BRMaP) and Biological Resources Mitigation Strategy. For example, ensure that planning for habitat mitigation and wetland creation at the borrow pit 24 (located in the 100 Area Group 1) is conducted within the guidance and spirit of the BRMaP and applicable state and federal regulations.
- Provide ecological/cultural plans, clearances, and authorizations.
- Maintain ecological/cultural resources database tracking.
- Assist in consultations leading to Native American agreements.
- Ensure compliance with Endangered Species Act requirements and provide guidance to the Hanford Site and ERC projects regarding impact avoidance and mitigation. Conduct/facilitate consultations with U.S. Fish and Wildlife Services and National Marine Fisheries Service to develop or modify management plans that describe mitigation actions for bald eagles, steelhead, and salmon on the Hanford Site. Project specific involvement with these issues will occur at all 100 Area Project sites and the 300 Area Remedial Action Site.
- Implement the Cultural Resource Management Plan.
- Ensure compliance with National Historic Preservation Act and Native American Graves Protection and Repatriation Act requirements with respect to the Hanford Site and ERC projects.
- Develop an approach for gaining mitigation credit for habitat enhancement/creation on the Hanford Site. Specific examples would be the planting of surplus sagebrush on the Arid Lands Ecology Reserve (ALE) as partial compensation for ERDF Cells 1 and 2, and development of wetland habitat in borrow pit 24.
- Gain approval for using a former borrow area north of the F Reactor for supplying backfill for the F Area Remedial Actions (RA) sites, and facilitate the construction of a wetland at the completion of the F Area RA Project.
- Provide ERC input for the development of the Industrial Mineral Resource Management Plan for the Hanford Site.
- Develop an Inadvertent Discoveries Plan that is fully compliant with the Native American Graves Protection and Repatriation Act, and which establishes procedures to be followed if human remains are encountered during ERC project actions (FY01 scope only).
- Conduct oral interviews and site visits with former White Bluffs and Hanford residents to identify and differentiate historic remains that should be preserved from waste sites that should be stabilized or cleaned up. Obtain EPA approval for changes (FY01 scope only).

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- Complete the Previous Disturbances Assessment/GIS Mapping project for the 100 Area (FY01 scope only).
- Develop a projectile point typology to provide relative dates for archeological sites subject to impact from ERC remedial actions.
- Develop National Register evaluation criteria for pre-Hanford agricultural resources to complete the last phase of the Hanford Euro-American Settlement Landscape, as required by the Hanford Cultural Resources Management Plan.
- Ensure the availability of native seeds for ERC revegetation projects to meet CERCLA/NRDA mitigation requirements by collecting native seeds and providing oversight of contracts to grow locally collected seed for increased volume.
- Continue to develop revegetation techniques to benefit ERC revegetation needs by applying lessons learned from previous revegetation projects (such as those in the B/C Area).
- Track the recovery of revegetated waste sites and compensatory mitigation sites by using standard vegetation analysis and monitoring techniques to collect data; document the results.
- Coordinate and implement restoration/revegetation planning: 300-FF-1 North and South Process Ponds, bitterbrush compensation area, and Landfills 1A, 1B, and 1D (~13 acres); and plant 10,000 surplus sagebrush on ALE as partial compensation for ERDF Cells 1 and 2 (~25 acres).
- Provide integrated restoration and revegetation planning, tracking, and reporting to support DOE land use decisions.
- Implement the Revegetation Manual, Biological Resource Management Plan, and Biological Resource Mitigation Strategy.
- Develop mitigation and revegetation strategies for shoreline disturbances through consultation with regulators, and apply these strategies to such ERC projects as the 100 Area outfall structures and the 300 Area Remedial Action Site.
- Provide DOE support to complete the 1100 Area Pre-Assessment Screening documentation.
- Provide technical and administrative support and assistance to the DOE to perform/investigate potential impacts of contaminant releases on Columbia River salmon in the 100 Areas.
- Assist in developing a study plan, sampling analysis, quality assurance and development of additional phases of the Columbia River salmon assessment.
- Provide technical support to the DOE for ERC work on policies, strategies, schedules, and project status to support the NRTC.
- Establish project priorities to address priority issues. For example, Arid Lands Ecology (ALE) and North Slope assessment needs.
- Assist the DOE in ERC activity site inspections, visits, and evaluations. Previous years indicate 56 hours of such activities.

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- Provide, coordinate, and implement technical presentations.
- Provide mitigation options, alternatives, and measures to be implemented as a result of potential injury or damage assessments.
- Assist in preparing 300 and 100 Area Pre-Assessment Screen.
- Support the DOE in management of the transition of remediated lands of monument status that are designated areas to be managed by the Department of Interior.
- Maintain a process for consistency in the closure of ERC waste sites.
- Revise the DQA and site closure procedure, as needed.
- Complete a site closure process improvement workshop.
- Provide general geohydrologic investigation infrastructure support.
- Review BHI-EE-01 procedures and provide updates as required.
- Conduct three self-assessments of geohydrologic investigation activities.
- Update the Natural Systems of Hanford Site Perspectives book.
- Age date rock/sediment, as required.
- Provide STR services for subcontract logging, geotechnical assistance, and geophysics equipment rental, as required.
- Coordinate development of Small Diameter Geophysical Logging System (SDGLS), based on geoprobes, and initiate field use.
- Review and update geotechnical procedures.
- Conduct one geophysical self-assessment.
- Initiate a comprehensive risk assessment that addresses the requirements of the revised Model Toxics Control Act ecological risk assessment, and which is appropriate for the ecosystem of the Hanford Site. Address the issue of the use of the most sensitive species to a particular contaminant in the risk assessment if such species are not present on the Hanford Site. Reconcile the differences in the approach to ecological risk assessment between the MTCA approach and the latest EPA ecorisk guidelines.
- Coordinate, present, and implement the ERC approach to the management of post-remediation risks, both human and ecological. This work will focus on the 100 Areas, where the RAWD project is beginning to approach the issues of delisting the operable units. The process has to be negotiated with the DOE and regulators.

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- Negotiate with the DOE and regulators a revision to the HSRAM (Revision 4). Although the issue of special human exposure scenarios (for example, Native American subsistence) needs to be addressed, a major concern is the role of the proposed MTCA ecorisk scenario that does not use species that are present on the Hanford Site.
- Work with the RAWD and D&D projects to develop a consistent statistical approach to sampling and analysis in order to demonstrate compliance with ROAs. As delisting moves closer, the need for combining information from closure activities from different projects becomes more crucial. Providing a consistent data analysis approach is the first step in being able to produce meaningful analyses for delisting activities.
- Present a paper on Hanford Site restoration activities and land management issues at the Society for Environmental Toxicology and Chemistry (SETAC).
- The ERC functional/project staff will communicate and interface with the SAC personnel on a quarterly basis with respect to activities that may relate to ecological risk assessment. The functional staff will work with the project staff to provide information for the purpose of determining how that information may be used by SAC personnel.
- Provide management and administrative support for environmental sciences and related activities.
- Complete environmental sciences input to the DWP.

**TASKS TO BE PERFORMED IN FY 2002:**

- Coordinate and implement restoration/revegetation planning for the following sites: D/DR Area Waste sites and borrow area (~100 acres), H Area Waste sites, and borrow area (~45 acres).
- Develop a set of regulator-approved environmental parameters and human health exposure scenarios for use in the 200 Areas.
- Develop a pilot post-remediation risk analysis to address OU-wide delisting issues, using the 100 Area as a template.
- Complete Revision 4 of HSRAM (if the decision is made to proceed with a revision).
- Present a paper on Hanford Site restoration activities and land management issues at a technical conference (TBD).
- Other tasks same as for FY01.

**TASKS TO BE PERFORMED IN FY 2003:**

Same as FY02.

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**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
<ul style="list-style-type: none"><li>• Provide an annual MYWP DQO Projects List to RL</li><li>• Provide DQO training</li><li>• Revegetation project coordination of Group 2&amp;3 B/C liquid waste sites</li><li>• Complete a Site Closure Process Improvement Workshop</li><li>• Complete self-assessment of site closure procedure</li><li>• Complete required revisions to geotechnical procedures</li><li>• Complete three self-assessments of geohydrologic and drilling activities</li><li>• Complete an update of Natural Systems of Hanford Site Perspectives</li><li>• Review and update geophysics procedures.</li><li>• Conduct a self-assessment of geophysical activities</li><li>• Obtain a decision on HSRAM, Revision 4</li><li>• Complete the environmental sciences DWP</li></ul>	<p>11/00, 11/01, 11/02 9/01, 9/02, 9/03 09/01 06/01 09/01 09/01, 02 &amp; 03 09/01, 02 &amp; 03 09/01, 02 &amp; 03 As required 09/01, 02 &amp; 03 3/01 9/01, 9/02, 9/03</p>

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- This DWP does not include restoration efforts due to the fire in the summer of 2000.
- This DWP does not include efforts for the Hanford Site to become a National Monument.
- The list of activities requiring DQOs will remain at a level of ~25-30. The maturity of the DQO process allows for the same level of support with fewer resources.
- Electronic DQO templates will be maintained as Word documents.
- The time required for oversight of CHI DQOs will remain at the same level as FY00.
- The DQO training programs developed in FY00 will be presented to ERC project teams in FY01.
- Final guidance for the release of non-real property at the Hanford Site will be completed in FY01, with FY00 carryover.
- The costs for FH and PNNL participation in the high cost recovery DQO are not within the scope of this activity.
- A pilot study for high level value property is not included for FY01.
- Comply with federal laws and state regulations to protect natural and cultural resources at the Hanford Site and to avoid potential litigation and work stoppage.
- The level of oversight for project work, and for tribal consultation, will be the same as FY00 and no new requirements will be imposed.

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- There will be a Continued level of effort (<160 hours) for traditional lifeways scenarios/development projects.
- There will be a continued level of effort (<80 hours) for native plant development and scenarios.
- The Native American Traditional Lifeways Initiative pilot project will be pursued by the Groundwater/Vadose Zone Integration Project. Natural/cultural resources and risk assessment work for the pilot project is not included in this scope.
- Natural Resources and Risk Assessment will continue to provide ecological/cultural clearances for all ERC activities.
- Provide ecological and cultural reviews/clearances monthly to the DOE.
- Provide mitigation planning for impacts to high quality habitat, and for plant and animal species of concern.
- Compliance with BRMaP is a DOE requirement. Incorporating the requirements and spirit of BRMaP into ERC planning will be conducted under this task. Project-specific planning will be funded by the projects.
- Maintenance of the ecological/cultural resources database for ERC projects is essential for efficient data recovery.
- The Hanford Site Natural Resource Trustee Council continues to request that the DOE provide compensation for habitat that was lost during the construction of ERDF Cells 1 and 2. The ERC has, in the past, and will continue to provide habitat enhancement/creation when surplus plants or resources are available. These enhancements should be accrued as credit against past and future impacts to ecological resources on the Hanford Site.
- Approximately 500,000 bulk-cubic yards of borrow material will be needed to backfill the waste sites at 100 F. Using the closest borrow pit (pit 18, approximately 1.5 miles to the south) will require expansion and destroying valuable sagebrush habitat. Using a former borrow area just north of the F Reactor would not destroy valuable habitat and it would save transportation costs. This would also provide the opportunity to revegetate some very poor quality upland habitat, and create a wetland habitat in the bottom of the pit at the completion of the project.
- The development of an Industrial Mineral Resource Management Plan for the Hanford Site is required by the Hanford Comprehensive Land Use Plan Environmental Impact Statement. The plan will serve as the mitigation action plan for the use of soil, sand, gravel, and basalt resources. The plan is being coordinated by DynCorp with input from the other Hanford Site contractors and will provide criteria to establish, operate, manage, and close borrow/gravel pits across the site.
- Compliance with the Endangered Species Act and Regulator consultations is required. Developing site-wide mitigation strategies with the regulators will be conducted under this task. Project specific planning will be funded by the projects.
- Failure to comply with requirements of the National Historic Preservation Act, the Native American Graves Protection and Repatriation Act, and other cultural resource legislation means that all project activities would need to stop until full compliance is achieved and documented. Delays could extend to six months or more, and seriously impact project schedules.

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- The same level of project activity will be required for ecological/cultural plans and clearances as in FY00, based on levels of project activities.
- Revegetation monitoring for transitioned operable unit sites are not funded in this cost account. Sites to be monitored include: 300-FF-1 sagebrush and bitterbrush plots, 300-FF-1 north and south process ponds, 600-104 (2,4-D Site), 216-A-25 (Gable Mountain Pond Extension), 200-ZP-1, ERDF mitigation sites, 116-C-1, 116-C-5, 116-B-1, and 116-B-11 (approximately 240 acres total).
- Compliance with BRMaP is a DOE requirement. Incorporating the requirements and spirit of BRMaP and lessons learned from previous revegetation and mitigation projects into ERC planning will be conducted under this task. Project specific planning will be funded by the projects.
- The level of restoration/revegetation planning for project work and consultation will be the same as in FY00, and no new requirements will be imposed.
- Avoidance and/or minimization of environmental impacts will be in accordance with ERC policy.
- Assumes six one or two-day full council meetings, as well as 8-10 committee workshop meetings and conference calls (1-8 hours each). The purpose is to incorporate NEPA with CERCLA activities for mitigation purposes. The scope and budget do not include mitigation for non-ERC projects.
- Assist with Natural Resource Damage Assessment studies.
- ROD site closure criteria will not change during FY01.
- The site closure regulatory requirements procedure will be issued by 09/00.
- Agreement between projects and functions will be reached in FY00 for the process for site closure.
- ERC projects will test and critique site closure electronic templates developed in FY01. Charges for testing will be to the projects.
- No upgrade or maintenance of geohydrologic software is funded in FY01.
- No geophysical replacement equipment will be needed in FY01. Maintenance and repair of existing equipment will be double the FY00 rate with the acceptance of excess equipment from other Hanford contractors.
- Risk Assessment costs are based on the current regulatory approach and CERCLA data requirements.
- The regulatory approach for human health compliance may change from the current dose-based approach (15 mrem/yr) to one based on risk using the EPA risk equations. This DWP does not include additional costs for regulatory changes.

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**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
SAIC	01	FP	DQO & DQA Support
SAIC	02	FP	DQO & DQA Support
SAIC	03	FP	DQO & DQA Support
EQM	01	FP	DQO / DQA / Free Release Support
EQM	02	FP	DQO / DQA / Free Release Support
EQM	03	FP	DQO / DQA / Free Release Support
Nez Perce	01	FUP	Plant Propagation Maintenance
Nez Perce	02	FUP	Plant Propagation Maintenance
Nez Perce	03	FUP	Plant Propagation Maintenance
L&H Seeds	01	FUP	Seed Multiplication
L&H Seeds	02	FUP	Seed Multiplication
L&H Seeds	03	FUP	Seed Multiplication
L. M. Downey	01	FP	Site Closure Process Improvement Workshop
SAIC	02	FP	Site Closure Process Improvement
SAIC	03	FP	Site Closure Process Improvement
Geochron	01	FUP	Age Dating
Geochron	02	FUP	Age Dating
Geochron	03	FUP	Age Dating

**WORK ORDERS** (i.e., work to be performed by FDH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
PNNL	01	Risk Assessment Support
PNNL	02	Risk Assessment Support
PNNL	03	Risk Assessment Support

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Travel	01	Council Meetings
Travel	02	Council Meetings
Travel	03	Council Meetings



**SAMPLE & DATA MANAGEMENT**

**EA1203**

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**COST ACCOUNT PLAN**

**KEY PROJECT TEAM MEMBERS**

**Task Lead (CAM):** W. H. Price  
**DOE-RL:** J. M. Nelson  
**Project Engineer:** L. A. Dietz/W. S. Thompson/J. H. Kessner  
**Field Support:** N/A  
**QS&H:** N/A  
**Project Controls:** S. E. Vukelich  
**PSS Rep:** L. M. Johnson  
**RL Lead:** M. P. Blancq/P. K. Clark

**WORK DESCRIPTION** (Provide general work description of facility/building.)

**General Description:**

Provide management and technical oversight for ERC sampling services, to ensure that processes and procedures support ERC project quality, technical, and regulatory requirements for sample collection, packaging, and shipping.

Provide qualified samplers to ERC projects through training and certification programs. Plan/coordinate ERC sampling resources and activities. Maintain reusable sampling equipment and supplies. Maintain readiness of the Sample Shipping Facility, including compliance with radioactive/hazardous materials management and storage requirements in accordance with BHI-EE-05, Procedure 1.30. Revise ERC field sampling procedures, as necessary. Perform monthly management walkdowns for field sampling activities. Provide Environmental Compliance Coordinators for sampling/analytical facilities.

Develop project-wide radiological and chemical field analytical strategies. Provide program management and technical oversight for ERC onsite measurement services to ensure processes and procedures support ERC project quality, technical, and regulatory requirements. Recommend and implement process improvements for radiological and chemical field analysis. Develop field screening forecasts. Coordinate management and disposition of field screening generated wastes with ERC Field Support. Update Quality Management Plans (QMPs) and integrate with Hanford Analytical Services Quality Assurance Requirements Documents (HASQARD).

Coordinate the management and disposition of environmental radiological management data with the Radiological Control Compliance and Support Group (RCCS).

Provide qualified field screening personnel for inorganic and organic onsite measurements in accordance with BHI-QA-03, Procedure 5.2. Maintain and operate mobile laboratories in accordance with BHI-EE-05, Procedure 1.30 requirements. Manage field screening generated waste and excess chemicals in accordance with Waste Management Instruction (WMI) requirements. Perform bi-monthly management walk downs. Revise ERC field analytical procedures as necessary.

Perform coordination, tracking, and monitoring of analytical services supporting ERC projects. Maintain and manage the necessary level and quality of analytical services. Ensure that the correct types of analytical services are available to support the ERC mission in a cost-effective manner.

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Operate and maintain the HEIS to meet DOE-RL and Tri-Party Agreement (TPA) requirements. Routine operation and maintenance activities shall include management of the HEIS Technical Advisory Group, implementation of approved software change requests, troubleshooting problems and user reported errors, system administration of the Oracle database, maintenance of the WEB based applications, providing help to the end users for special queries, training of end users, documentation of all HEIS software components, and development and maintenance of HEIS procedures.

Electronically integrate the Sample Data Management Process (SDMP), including templates for scoping activities, data quality objective activities, sampling analysis plan preparation, data quality assessment/verification activities, and a site closure process.

Operate and maintain the Hanford Geographic Information System (HGIS) to meet DOE-RL and Tri-Party Agreement (TPA) requirements. Routine operation and maintenance activities shall include map production (excluding custom maps), troubleshooting problems and user reported errors, system administration of the production servers, maintenance of the web-based applications, providing help and training to end users, documentation of the database components (metadata), maintaining global positioning system (GPS) surveying equipment and data collected during GPS surveys, creation and updates of data sets, field verification of mapped features, data retrieval, and technical support.

Operate and maintain the Waste Information Data System (WIDS) to meet DOE-RL and Tri-Party Agreement (TPA) requirements. Routine operation and maintenance activities shall include technical review and data entry of waste site information, waste site mapping, maintaining configuration control of all software and documentation components, implementation of approved software change requests, troubleshooting problems and user reported errors, system administration of the databases, providing help to the end users for special queries, training of end users, documentation of all software components, and development and maintenance of procedures, as applicable.

Disposition WIDS sites according to TPA-MP-14, Management of the Waste Information Data System. Maintain and update TPA MP-14, as required. Assure that new sites have a programmatic responsibility by working the process described in the MOA on programmatic responsibility. Support the transition of WIDS sites between contractors. Assure that sites contain closeout information as sites are remediated.

Operate and maintain project-specific database systems. Routine operation and maintenance activities shall include maintaining configuration control of all software and documentation components, implementation of approved software change requests, troubleshooting problems and user reported errors, system administration of the databases, providing help to the end users for special queries, training of end users, documentation of all software components, and development of procedures, if applicable.

Provide direction, supervision, and job-related training to sample and data management staff performing activities in support of Program Management and Support activities. Perform responsibilities for quality and timelines of deliverables and meeting milestones.

Provide general administrative, secretarial, and clerical support. Primary activities include typing, word processing, making appointments, answering phones, forms control, and serving as a central point of contact for information flow within and across sample and data management. Provide specialized assistance to individuals involved in management, professional, and scientific activities.

Provide level of effort support to DOE for special requests, primarily in the areas of HEIS, HGIS, and WIDS requests.

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**SAMPLE & DATA MANAGEMENT**

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Prepare an annual Detailed Work Plan (DWP) for sample and data management. Plan for all activities including estimating and preparation of work plan cost charts, waste information, and schedules, including reviews of work plans with management, RL, and the regulators. Incorporate changes recommended during reviews. Develop periodic updates.

**TASKS TO BE PERFORMED IN FY 2001:**

- Develop a procedure for sample designs to support characterization and closure strategies.
- Perform self-assessments of sampling activities.
- Ensure the ERC sampling program implements consistent and technically defensible sampling designs and strategies.
- Maintain Hanford Analytical Services Quality Assurance Requirement Documents (HASQARDs) for sampling services.
- Evaluate and recommend new sampling protocols consistent with ASTM, EPA, and Ecology guidelines.
- Coordinate disposition of Sampling Services Satellite Accumulation Area (SAA) waste.
- Provide for FH maintenance services for sample refrigerators and ice machines.
- Provide and administer a subcontract for sample equipment decontamination services for ERC projects.
- Provide a subcontract for DOT offsite hazardous/radioactive sample shipment and onsite routine radioactive sample shipments.
- Provide a contract for calibration of thermometers, meters, and balances.
- Staff complete sampling procedure reading and field qualifications.
- Plan/coordinate ERC sampling activities.
- Maintain qualified shippers haz/rad shipper certification, IATA certification, DOT drivers certification.
- Maintain AHERA qualified staff.
- Procure reusable sampling equipment.
- Provide minor revisions to BHI-EE-01.
- Perform bi-monthly management walkdowns.
- Maintain the Sample Shipping Facility per BHI-EE-05, Procedure 1.30 (e.g., deionized water system, refrigerator operation, inspection, chemical inventory).
- Support bi-weekly ERC meetings.

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- Provide designated Environmental Compliance Coordinators for the Sample Shipping Facility and mobile laboratories.
- Support external EH&S assessments.
- Perform three self-assessments for radiological and chemical onsite measurement activities.
- Ensure that ERC projects implement consistent and technically defensible field screening and radiological survey methods and strategies.
- Implement HASQARDs for onsite measurement services, as applicable.
- Evaluate and recommend new field analytical methods consistent with ASTM, EPA, and Ecology guidelines.
- Coordinate and assess project implementation of the onsite radiological measurements program with RCCS.
- Continue to develop and update procedures for implementation of the environmental radiological measurements program.
- Maintain a chemical hygiene plan related to chemical and radiological measurement activities.
- Perform QA/QC related to radiological measurement methods.
- Disposition excess chemicals and field screening generated waste.
- Manage mobile laboratories in accordance with BHI-EE-05, Procedure 1.30.
- Calibrate instruments, balances, and hoods.
- Procure field screening equipment/supplies.
- Manage the chemical inventory per the requirements of BHI-EE-05, Procedure 1.30.
- Provide minor revisions to BHI-EE-05.
- Perform annual technical/quality audits on eight analytical service providers.
- Provide technical guidance on laboratory contracts, SOWs, and LOIs.
- Compile, review, and issue semi-annual project sample projections.
- Review analytical service costs and estimates.
- Provide technical guidance for data validation procedures and processes to ensure compliance with contracts, SOWs, and LOIs.
- Provide technical guidance and support for the integration of the Hanford Analytical Services program.

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**SAMPLE & DATA MANAGEMENT**

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- Perform quarterly evaluations of sample disposition records.
- Represent BHI at monthly Hanford Analytical Policy Board meetings.
- Provide technical support to NAMP (ICPT, EMEDD, EMCAPP) programs to determine impact/compliance with the ERC sample and data management process.
- Operate and maintain systems including HEIS, FEAD, SDT, HWIS, and the Environmental Data Viewer (EDV).
- Provide support to project staff for data entry, data retrieval, and reporting.
- Develop and update procedures as needed.
- Lead HEIS Change Control Board meetings to discuss and resolve software and data configuration control issues.
- Support preparation and documentation of milestones and deliverables associated with the HEIS database system.
- Operate and maintain the HGIS.
- Maintain equipment associated with the HGIS, including the Sun server, Sun workstations, plotters, Global Positioning System (GPS) hardware, and digital cameras.
- Create new data sets to support ERC projects, and update existing data to match changing field conditions.
- Provide quarterly updates of critical data sets (e.g., waste sites, contaminated zones, wells).
- Update the Hanford Site Atlas and prepare it for publication. Develop Volume 2 of the atlas to include maps associated with the preferred alternative of the Comprehensive Land Use Plan, Hanford Reach National Monument, landmarks, habitat, soils, lithology.
- Provide routine support to project staff for data retrieval and reporting.
- Develop and update HGIS procedures and desk instructions.
- Maintain the web-based application (EDV) and update the web accessible data sets as changes are made to the master HGIS data.
- Evaluate the use of Internet Map Server (IMS) as a replacement for map objects (base software product for EDV) to provide stability for the EDV application.
- Participate in the Site Spatial Data Council.
- Operate and maintain the WIDS system and hardcopy files as required by TPA and RCRA regulations.
- Update WIDS hardcopy data files with new information, as received.

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**SAMPLE & DATA MANAGEMENT**

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- Evaluate newly identified waste sites to determine their classification.
- Perform global positioning surveys to determine waste site locations.
- Provide support to project staff for data retrieval and reporting.
- Produce documents required by the TPA.
- Update WIDS procedures, as necessary.
- Lead periodic user group meetings to discuss and resolve data configuration control issues.
- Continue to disposition the 200 Areas WIDS sites following TPA-MP-14; lead meetings with the regulators, DOE-RL, and contractors to determine site dispositions; generate TPA change request to update Appendix C of the TPA. Prepare documentation of milestones and deliverables associated with the WIDS database systems.
- Handle "walk-in" requests for DOE, regulator, ERC, FH, RPP (etc.) copies of non-routine and/or new database reports.
- Operate and maintain project sample/measurement data management systems that are used to support project plans for characterization, remediation, waste disposal, and waste site closure.
- Provide data management system support to projects for data retrieval, reporting, and analysis for site closure assessments and site closure documentation.
- Provide guidance in developing and implementing strategies to reduce sample and data management costs, without impacting the technical and schedule needs of the projects.
- Provide direction, supervision, and job-related training to sample and data management staff.
- Provide administrative support for sample and data management related activities.
- Provide LOE support to DOE for special requests regarding the HEIS, HGIS, and WIDS.
- Complete sample and data management input to the DWP in a quality manner, on schedule, and within the guidance provided by upper level management.

**TASKS TO BE PERFORMED IN FY 2002:**

Same as FY01.

**TASKS TO BE PERFORMED IN FY 2003:**

Same as FY01.

PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

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### SAMPLE & DATA MANAGEMENT

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**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
<ul style="list-style-type: none"><li>Perform self assessments for field sample collection, packaging, and shipping activities, and for onsite measurement services</li></ul>	FY01, FY02 & FY03
<ul style="list-style-type: none"><li>Review HASQARD and the ERC Sampling Quality Management Plan (QMP) for consistency in implementation</li></ul>	06/01, 06/02 & 06/03
<ul style="list-style-type: none"><li>Update Quality Management Plans (QMPs)</li></ul>	04/01, 04/02 & 04/03
<ul style="list-style-type: none"><li>Issue semi-annual five-year projections to support DOE-RL-Hanford requests</li></ul>	11/00, 06/01, 11/01, 06/02, 11/02, 06/03
<ul style="list-style-type: none"><li>Complete Volume 2 of the Hanford Site Atlas</li></ul>	01/01, 01/02 & 01/03
<ul style="list-style-type: none"><li>Complete new procedures for data configuration management and metadata documents</li></ul>	09/01, 09/02 & 09/03
<ul style="list-style-type: none"><li>Prepare a preliminary list of changes to the TPA (Appendix C) for the 200 Areas</li></ul>	09/01, 09/02 & 09/03
<ul style="list-style-type: none"><li>Prepare a final list of changes to Appendix C, the new Appendix C Report, and the TPA</li></ul>	09/01, 09/02 & 09/03
<ul style="list-style-type: none"><li>Prepare change requests for changes to the TPA (Appendix C) for the 200 Areas</li></ul>	09/01, 09/02 & 09/03
<ul style="list-style-type: none"><li>Complete the annual Hanford Site Waste Management Units Report and post it on the web (TPA required per Chapter. 3)</li></ul>	12/00, 12/01 & 12/02
<ul style="list-style-type: none"><li>Complete software conversion of project specific databases to HEIS/SDT in support of the site closure process</li></ul>	09/01, 09/02 & 09/03
<ul style="list-style-type: none"><li>Complete the annual DWP</li></ul>	09/01, 09/02 & 09/03

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- This DWP does not include efforts for the Hanford Site to become a National Monument.
- The cost estimate is based upon previous years experience and June 2000 sample projections (10,400 samples for FY01). The estimate assumes there are no changes in program implementation.

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**SAMPLE & DATA MANAGEMENT**

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- The cost includes disposal of two containers (<1 gallon) of corrosive water generated by sampling activities.
- No changes are planned in the sampling volume for the Hanford Analytical Services Quality Assurance Requirements Document.
- No major repairs are budgeted for maintenance of refrigerators and ice machines.
- The cost for the DOT offsite hazardous/radioactive sample shipment and onsite routine radioactive sample shipments subcontract are assumed to be comparable to FY00.
- The costs for calibration of thermometers, meters, and balances are assumed to be comparable to FY00.
- The time for sampling coordination, management walk downs, self-assessments, inspections, procurement of materials, training of shippers, and maintenance of the sample shipping facility is based on actual experience in FY00.
- Six procedures in BHI-EE-01 will require minor revisions.
- Two external assessments will require support.
- There will be minimal cost impact in assisting ERC Projects with the implementation of the Hanford Analytical Services Quality Assurance Requirements Document (Volume 3).
- The costs for self-assessments, technical oversight, HASQARD support, chemical hygiene plan revisions, quality management plan revisions, chemical management, and procurement of supplies and equipment will be consistent with FY00 costs.
- All method development activities will require project funding.
- Assistance and changes to the Environmental Radiological Management Plan will be minimal in FY01.
- Six procedures in BHI-EE-05 will require minor revisions.
- A standard software engineering life cycle methodology shall be used to define, implement, and document all software changes to the HEIS and WIDS.
- The HEIS shall include not only the HEIS component, but also the format for electronic analytical data (FEAD), sample data tracking (SDT), and the Hanford Well Information System (HWIS).
- The HEIS shall provide the capability to load and store sample results for ERC Projects, PNNL Groundwater Monitoring, PNNL Surface Environmental Surveillance Project (SESP), and Waste Management Northwest.
- The HEIS includes routine support (limited to one hour per request, and a maximum of 250 requests). Non-routine requests for support will require project funding.



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**SAMPLE & DATA MANAGEMENT**

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- Modification of the HEIS database structures, HGIS, WIDS and PSDB to support the GW/VZ Project and input of newly identified GW/VZ data needs (current and historic) are not within this DWP.
- The WIDS is based on maintenance and operation of the 80 gigabyte database, the web extensions, the FTP site, and routine support to the user community. As a site-wide TPA database, routine support will be provided to all users, including BHI, FH, PNNL and subcontractors. Routine support is defined as tasks < 1 hour.
- DOE "walk-in" work will be covered on a level of effort basis. Projects will pay for their "walk-in" work requests.
- Major equipment maintenance costs, the Sun server, and the Sun workstations will be provided by AT. Other maintenance contract costs will be paid for by this cost account. Supplies, plotter paper, and pens, etc. will be funded by this cost account.
- Printing and distribution costs for new revisions of the Hanford Site Atlas will be provided by P&GS and Document and Information Services (DIS).
- Updates to the production database shall be limited to quarterly update cycles.
- The operation and maintenance of the WIDS is required by the TPA. This estimate is based upon previous years experience, where (1) there are 2,600 sites (total) in the database; (2) approximately 300 sites (annually) have been reclassified; and (3) 50 new sites (annually) have been added to the database.
- No major changes to TPA-MP-14 are anticipated.
- The regulatory drivers for the WIDS are the TPA Action Plan, Chapter 3; TPA-MP-14, Maintenance of the Waste Information Data System; and the Hanford Site Operating Permit (RCRA).
- Waste sites shall be dispositioned following the process defined in TPA-MP-14.
- The WIDS shall support the transition of sites between contractors.
- WIDS shall assure that new sites have a programmatic responsibility by working the process described in the MOA on programmatic responsibility.
- WIDS hard copy and electronic data files will be updated with new information as it is received.
- The WIDS shall evaluate newly identified suspect waste sites to determine their classification. There will be no more than 50 new sites, including 100 area pipelines and site-wide radiologically controlled areas.
- The WIDS shall perform initial global positioning surveys to determine waste site locations. Follow-up surveys to support project work will be funded by the project.
- The WIDS will provide routine support to project staff for data retrieval and reporting. Routine data retrieval includes tasks that require no more than one hour per request, 100 hours total. DOE requests for support will be funded by COA MEA123 YH80.

**SAMPLE & DATA MANAGEMENT**

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- During FY01 and FY02 the WIDS will continue to evaluate and disposition additional 200 area sites, following the TPA MP-14 procedure, and lead the meetings with the regulators, DOE-RL, and contractors to determine site dispositions. This task assumes that the support of the regulatory agencies, FH and its subcontractors, ERC projects, and that the DOE will be available.
- The WIDS shall complete a list of changes to TPA Appendix C for all reclassified sites. The information will be submitted as a TPA Change Request at the end of FY01.
- ERC user support is limited to routine support and does not include non-routine requests for data retrieval, data analyses, or software changes. If support is required for these items, they will be funded by the projects.
- System operations do not include data entry of sample or analytical data.
- Project databases will be integrated with HEIS/SDT software design to support site closure process.
- Project databases will be maintained to support waste site closure requirements.
- DOE special requests for HEIS/HGIS/WIDS are funded as a level of effort estimated at 300 hours. The exact scope of work is not known, and the amount of support required is not known. Therefore, once the budget for this DOE special requests is spent, additional funding will be required.

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
SAIC	01	FP	Environmental Radiological Measurements Support
SAIC	02	FP	Environmental Radiological Measurements Support
SAIC	03	FP	Environmental Radiological Measurements Support
SAIC	01	FUP	HGIS Support
SAIC	02	FUP	HGIS Support
SAIC	03	FUP	HGIS Support
Unknown vendor	01	TBD	Software technical support for site closure process
Unknown vendor	02	TBD	Software technical support for site closure process
Unknown vendor	03	TBD	Software technical support for site closure process

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### SAMPLE & DATA MANAGEMENT

**EA1203**

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**WORK ORDERS** (i.e., work to be performed by FDH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
FH	01	Maintenance of refrigerators & Ice Machines
FH	02	Maintenance of refrigerators & Ice Machines
FH	03	Maintenance of refrigerators & Ice Machines
FH	01	Waste Disposal (2 SAAs)
FH	02	Waste Disposal (2 SAAs)
FH	03	Waste Disposal (2 SAAs)

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Materials	01	Sampling Supplies
Materials	02	Sampling Supplies
Materials	03	Sampling Supplies
Travel	01	Training, Lab Audits
Travel	02	Training, Lab Audits
Travel	03	Training, Lab Audits
Equipment	01	Hardware/Software/Licenses
Equipment	02	Hardware/Software/Licenses
Equipment	03	Hardware/Software/Licenses

PBS#: ER 10  
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TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

REGULATORY SUPPORT

EA1204

1.4.10.1.3.10.01.01.01.32.04

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): R. J. Landon  
DOE-RL: J. M. Nelson  
Project Engineer: R. J. Landon  
Field Support: N/A  
QS&H: N/A  
Project Controls: S. E. Vukelich  
PSS Rep: N/A  
RL Lead: J. H. Zeisloft

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

Provide programmatic support and oversight for the ERC Chemical Management Program (CMP) to ensure a unified program across the ERC that is consistent with the CMP requirements document signed by the four presidents of the major contractors on the Hanford Site. Maintain and update CMP implementing procedures (BHI-MA-02, Procedure 9.3), plans, and policy documents (CMP Requirements Document). Support site-wide CMP meetings and regulator interfaces while monitoring performance metrics and implementation of the Chemical Information Database. Manage the excess chemical/material tracking/disposition system and support field implementation of the CMP.

Review and analyze new and proposed environmental regulations, statutes, and compliance agreements (e.g., TPA) or DOE orders with support from the FH regulatory liaison office. Maintain and update the Environmental Protection Program (BHI-EP-01), the Environmental Requirements Manual (BHI-EE-02), the Waste Management Plan (BHI-EE-10) and related documents. Oversee implementation of the Waste Management Plan, Environmental Protection Program (ISO 14000/EMS), operational environmental monitoring, and FH regulatory liaison office support. Monitor implementation of the BHI Environmental Management System through self-assessments, and develop corrective action plans to ensure consistency with ISO 14000 principles and ISMS.

Provide input to environmental reports required by environmental statutes, regulations, permits, and compliance agreements (e.g., TPA) or DOE orders, including EPCRA/SARA, (consistent with the Chemical Management Program), rad air emissions, PCBs, liquid effluents, DOE 5400.1 reports, environmental permitting status report, asbestos, and spill reporting. Provide training and maintenance for the ACCESS system, as well as tracking for 40 CFR 68 threshold evaluations.

Implement and follow up on Air Operating Permit, RCRA Permit (including corrective action), WAC 173-216 Consent Order Permits, BMP maintenance, WAC 246-272 septic tank permit, compliance evaluation oversight of passive radioactive sources, and other miscellaneous permits. Oversee incorporation of NEPA values in CERCLA documentation, and support site-wide NEPA activities.

Develop site-wide environmental compliance strategies and resolve major compliance issues. Participate in Environmental Compliance Committee meetings, Central Environmental Committee meetings, RL interface meetings, and support site-wide environmental/policy coordination. Provide regulatory guidance, technical support, and environmental training/updates as well as environmental compliance oversight/self assessment. Provide the ERC project environmental lead for Program Management and

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Support, coordinate environmental performance standard reporting, and respond to regulatory agency compliance issues/notices.

Directly supervise and coordinate work activities. Perform responsibilities in the areas of quality and timeliness of deliverables and meeting milestones.

Provide administrative support to successfully complete work products, deliverables, and reports on schedule. Assist in developing correspondence and reports, editing, budget preparation, and tracking.

Develop work scope, deliverables, milestones, schedules, and budget estimates for the Detailed Work Plan. Coordinate management reviews and approvals, and complete DWP documents.

**TASKS TO BE PERFORMED IN FY 2001:**

- Maintain and update CMP procedures, plans, and policy documents.
- Participate and support site-wide CMP meetings and regulator interfaces.
- Monitor and provide technical oversight of the CMP.
- Manage the excess chemical/material tracking/disposition system.
- Support field implementation of the CMP.
- Update controlled manuals based on new regulatory developments and changing conditions.
- Provide technical oversight and support for ERC waste management activities and Environmental Protection Program (ISO 14000/EMS) implementation.
- Monitor implementation of the BHI Environmental Management System.
- Complete reports and reviews required by statute, regulation, permit, compliance agreements, or DOE orders.
- Manage and implement permits.
- Provide technical oversight and administrative support to ensure performance of ERC legal responsibilities.
- Coordinate the ERC interface with site-wide environmental compliance/policy issues.
- Support ERC projects and functional groups.
- Provide the ERC Project environmental lead for Program Management and Support.
- Supervise and coordinate work activities.
- Provide administrative support.
- Support DWP development.

**REGULATORY SUPPORT**

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**TASKS TO BE PERFORMED IN FY 2002:**

Same as FY01.

**TASKS TO BE PERFORMED IN FY 2003:**

Same as FY01.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• Complete Annual Review of CMP Plan (BHHI-01248)	08/01, 08/02, 08/03
• Complete Annual Review of CMP Performance	09/01, 09/02, 09/03
• Quarterly updates of controlled manuals	Quarterly
• EPCRA 311/312 Quarterly Hazardous Chemical Inventory	Quarterly
• EPCRA 312 Annual Hazardous Chemical Inventory Report (Level II)	2/11/01, 2/02, 2/03
• EPCRA 313 Toxic Chemical Usage Report (Level II)	6/16/01, 6/02, 6/03
• EPCRA 313 Toxic Chemical Release Inventory	7/01, 7/02, 7/03
• Facility Closure/Post Closure Cost Report (Level II)	9/01, 9/02, 9/03
• RCRA Permit Noncompliance Report (Level II)	2/25/01, 2/02, 2/03
• RCRA 3016 Report	9/02
• Miscellaneous Liquid Effluent Report	9/01, 9/02, 9/03
• Monthly Surface Water Treatment Report (183-N)	Monthly
• Tracking and Reporting WAC 173-216 Permit Discharges (3 permits)	2/01, 2/02, 2/03
• PTRAEU Tracking and Reporting	6/01, 6/02, 6/03
• HEPA Vacuum Tracking and Reporting	6/01, 6/02, 6/03
• Annual Radionuclide Air Emissions Report (40CFR61) (Level II)	6/30/01, 6/02, 6/03
• Annual Emissions Inventory (non-rad)	9/01, 9/02, 9/03
• Semi-annual AOP Reports to Demonstrate Compliance	Semi-annually
• Annual Environmental Releases Report (5400.1)	9/01, 9/02, 9/03
• Annual Hanford Site Environmental Report (5400.1)	9/01, 9/02, 9/03
• Annual Environmental Permitting Status Report	9/01, 9/02, 9/03
• Environmental Management Plan update (5400.1)	9/01, 9/02, 9/03
• PCB document log	9/01, 9/02, 9/03
• Annual PCB Status Report (FFCA)	9/01, 9/02, 9/03
• Septic Annual Report	9/01, 9/02, 9/03
• Annual Asbestos Inspection Report	9/01, 9/02, 9/03
• Spill reporting	As required
• Update Air Operating Permit Implementation Plan	9/01
• Revise and update ERC RCRA Permit Implementation Plan	9/01
• Submit Class 1 modifications	Quarterly
• Submit Class 3 modifications annually	7/01, 7/02, 7/03
• DWP	09/01, 09/02, 09/03

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### REGULATORY SUPPORT

EA1204

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**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- Quarterly chemical inventories for FY01 will be adequate to implement CMP requirements in addition to a biennial site walk down in FY02.
- ERC Projects will conduct emergency preparedness drills on a quarterly basis.
- The CMP will not include waste or radiological hazards.
- The CMP will not exceed the requirements in the CMP requirements document that was signed by the four presidents of the major contractors on the Hanford Site.
- Procedure manual revisions will be required to implement revised or new regulations and DOE orders.
- The HMID that was used for reporting became obsolete and a new system was adopted for ERC use in FY00. Refinement of the new system to meet ERC needs will be accomplished in FY01.
- An air operating permit will be issued in December 2000.
- Environmental permits will be required by statutes, regulations, or DOE orders.
- In the field, compliance evaluation for passive radioactive sources will be performed by projects.
- Updating the Air Operating Permit and developing the Implementation Plan will be funded by carry-over from FY00.
- There will be a minimal level of participation in supporting RL and other site contractors in developing site-wide environmental policy/decision making outside of the regularly scheduled RL and site-wide coordination meetings (e.g., routine scheduled RL meeting).
- DWP hours are based on past experience.

**WORK ORDERS** (i.e., work to be performed by FDH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
FH	01	Regulatory Liaison support
FH	02	Regulatory Liaison support
FH	03	Regulatory Liaison support

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### REGULATORY SUPPORT

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**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
B&W	01	FUP	Regulatory Compliance support
B&W	01	FUP	Regulatory Compliance support
B&W	01	FUP	Regulatory Compliance support

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Material	01	Misc. Supplies and Reference Manuals
Material	02	Misc. Supplies and Reference Manuals
Material	03	Misc. Supplies and Reference Manuals
Travel	01	Professional Training
Travel	02	Professional Training
Travel	03	Professional Training



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TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

DESIGN ENGINEERING

EA1205

1.4.10.1.3.10.01.01.01.32.05

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. W. Darby  
DOE-RL: J. M. Nelson  
Project Engineer: J. W. Darby/S. R. Parikh/A. R. Larson  
Field Support: N/A  
QS&H: N/A  
Project Controls: S. E. Vukelich  
PSS Rep: N/A  
RL Lead: O. Robertson/J. D. Goodenough

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

Provide functional guidance and technical support in maintaining Integrated Safety Management System Description (ISMSD) documents.

Develop, coordinate and update Engineering Guides, Criteria, Specifications and Standards for ERC-wide applications. Support conversion of DOE standards 1020 through 1027 to new ASCE standards that will support environmental restoration work.

Review DOE orders and regulations and determine their applicability to the ER Program. Support DOE-RL in responding to any government audits pertaining to DOE orders and directives. Provide technical support to DOE-RL for implementation of the DOE Technical Standards Program.

Develop a Configuration Management (CM) Plan to establish consistency among design requirements, physical configurations, and facility documentation, and maintain this consistency throughout the life of the facility as changes occur.

Develop and support Value Engineering (VE) Program documents, standards and procedures. Maintain VE expertise and conduct associated training. Review the ER Program to identify tasks for potential VE studies. Provide support to the DOE Value Engineering Program, including responses to any actions from meeting at SAVE conference and government audits.

Provide interpretation and guidance on DOE Nuclear Safety Orders, Standards, and Guides. Support the programmatic overview of the nuclear safety program for nuclear facilities/activities and the nuclear criticality program. Maintain engineering programs, procedures, and guides related to the nuclear and criticality programs. Provide support to Quality, Safety, and Health on the Emergency Preparedness program. Respond to requests raised by the DNFSB for information relating to ERC work scope and site visits.

Provide systems engineering (SE) support to ER Projects, including strategic planning groups. Maintain the ER Systems Engineering Management Plan (SEMP), including related documentation. Support and provide training for SLATE databases and software. Provide integration with DOE and the Project Hanford management contractors for the Hanford Site Technical Baseline. Develop and provide SE training.

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**DESIGN ENGINEERING**

**EA1205**

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Develop and/or revise engineering procedures and training. Review engineering procedures by other departments and projects.

Support site-wide initiatives, as needed. Develop subcontracts for ER program-wide use. Provide subcontract administration of project-wide subcontracts. Meet with existing and prospective subcontractor's representatives.

Directly manage Design Engineering activities and coordinate environmental sciences and related work activities.

Provide general direction and overviews to assist in planning, organizing, directing, and controlling CAD work in Design Engineering. Set organizational goals and strategies, and provide top-level guidance and direction for the organization.

Provide general administrative, secretarial, and clerical support to Design Engineering functional staff.

Establish performance criteria, objectives, and a schedule for Design Engineering self-assessment and Nuclear Safety efforts. Perform self-assessments based on performance criteria, objectives, and schedules.

Provide level of effort support to DOE for special requests. This primarily applies to Nuclear Safety requests.

Provide input to the DWP for all activities to be performed during each fiscal year, including estimating of labor and costs. Incorporate changes recommended during reviews.

Prepare various reports, including the monthly progress report, BQIT Program Support, Year-End Presentation, and other defined presentations to DOE.

Develop, negotiate, prepare and status BHI's Performance Incentives (PIs), with analysis on those used to determine performance/incentive fee for BHI.

**TASKS TO BE PERFORMED IN FY 2001:**

- Provide functional guidance and technical support in the maintenance of ISMSD.
- Develop one new guidance for preparation of a M/R package for subcontract.
- Develop one new Engineering Guide for Design.
- Update the ERC-General Design Criteria document BHI-00747.
- Update the compliance matrix for facility safety (BHI-01376).
- Support conversion of DOE standards to ASCE standards.
- Review DOE orders, directives and regulations, as needed.
- Support DOE-RL in responding to any government audits pertaining to DOE orders and directives.

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**DESIGN ENGINEERING**

**EA1205**

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- Provide technical support to DOE-RL for implementation of the DOE Technical Standards Program.
- Prepare and complete an outline of the CM Plan.
- Collect CM input from all projects and functional departments.
- Develop and support VE Program documents.
- Provide Value Engineering concepts and methods through VE awareness training. Identify tasks for potential VE study. Prepare the VE annual report.
- Provide support as required to the DOE Value Engineering Program, including responses to any actions from meetings at the SAVE conference and government audits.
- Support one DOE Audit/Assessment concerning Nuclear Safety (e.g., training, USQ, SAR, etc.).
- On a requested basis, support DOE-RL development of responses to HQ and the DNFSB.
- Support DNFSB Recommendation 2000-2 (Configuration Management, Vital Safety Systems).
- Support DNFSB TECH 26 (Improving Operation and Performance of Confinement Ventilation Systems at Hazardous Facilities of the DOE).
- Provide minimal DNFSB coordination efforts.
- Review DOE SERs, including preparation/review of proposed TSRs or TSR interpretations.
- Provide oversight/review of safety evaluations for radiological facilities.
- Provide oversight/review of MOC evaluations for radiological facilities.
- Revise six nuclear safety EDPIs (4-28, 4-30, 4-31, 4-35, 4-40 and 4-41) and provide interpretations, clarifications, and changes (as needed).
- Revise four engineering guides; provide interpretations and clarifications.
- Complete an annual update of BHI-00981.
- Consolidate/update SAR standards and requirements, and transition to functional manuals for maintenance.
- Revise TSRs for consistency and to eliminate "traps."
- Assist in revision of MOU/MOAs with FH.
- Review/comment on four DOE Nuclear Safety orders, guides, and standards.
- Provide interpretation and guidance on existing DOE Nuclear Safety Orders in the BHI contract.

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- Establish an Authorization Basis Library.
- Provide overviews and review criticality screenings/evaluations for clarity and content.
- Qualify one Nuclear Criticality Safety engineer alternate.
- Attend Nuclear Safety Council meetings and respond to requests.
- Support FHA reviews and revisions for nuclear facilities.
- Monitor project costs, forecast (etc.).
- Maintain six computer codes (EPI, GENII, GXQ, RESRAD, CAP88, Microshield).
- Provide RESRAD generic support on an as-needed basis.
- This budget does not include DNFSB Tech 25 issue resolution.
- Review annual updates/revisions to EP Hazard Assessment documents.
- Maintain the SEMP in conformance with ERC requirements. Provide input as required to such documents such as the TIML and HSEMS. Respond to/identify opportunities for Systems Engineering (SE) needs within the ERC Team. Support DOE complex use of SE by participating in meetings and telecons with other entities in the DOE complex.
- Provide SLATE software training.
- Revise eight engineering EDPIs and two MA-02 procedures.
- Prepare and issue 15 revision orders.
- Review Engineering procedures by other departments and projects.
- Prepare a new procedure in BHI-MA-02: Procedure X.X "Managing Technical Risks."
- Attend two site-wide initiatives meetings per month, plus six ERC coordination meetings.
- Develop/revise one program-wide subcontract. Provide S/C administrative support and attend meetings.
- Supervise and coordinate Design Engineering and related work activities.
- Provide CAD management of software and hardware.
- Provide customization and automation of AutoCAD.
- Provide management of CAD configuration control.
- Provide administrative support.

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- Prepare performance criteria, objectives, and a schedule for each self-assessment, based on program/procedure requirements.
- Perform self-assessments of two Design Engineering activities.
- Perform self-assessments of two Nuclear Safety activities.
- Provide LOE support to the DOE for nuclear safety special requests.
- Provide annual input to the DWP.
- Prepare, review, and provide input to monthly progress reports, expenditures, schedules, and presentations.
- Identify tasks for PIs and prepare documents to status the same.

**TASKS TO BE PERFORMED IN FY 2002:**

- Verify adequacy of the CM Plan (assuming CM Plan is prepared in FY01 with supplemental funding).
- Update CM Plan as necessary (assuming CM Plan is prepared in FY01 with supplemental funding).
- Conduct CM training (assuming CM Plan is prepared in FY01 with supplemental funding).
- Prepare training module and provide SE Awareness training to PEs and Task Leads.
- Prepare engineering guide for project on application of Systems Engineering principles.
- Other tasks same as for FY01.

**TASKS TO BE PERFORMED IN FY 2003:**

- Update the CM Plan as necessary (assuming CM Plan is prepared in FY01 with supplemental funding).
- Conduct CM training (assuming CM Plan is prepared in FY01 with supplemental funding).
- Maintain the SE Guide
- Maintain training module and continue SE Awareness Training.
- Other tasks same as FY02.

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**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
<ul style="list-style-type: none"> <li>All LOE deliverables to be determined per DOE-RL direction.</li> <li>One new guidance for preparation of M/R package for S/C</li> <li>One new Engineering Guide for Design</li> <li>Update one General Design Criteria - BHI-00747</li> <li>Update Compliance Matrix for Facility Safety (BHI-01376)</li> <li>Provide ERC input and comments for conversion of DOE standards to ASCE standards</li> <li>Develop and support VE Program documents</li> <li>Value Engineering Annual Report (PI) - Level II</li> <li>BHI-00981 Rev. 4</li> <li>Prepare new procedure in BHI-MA-02, Procedure X.X</li> <li>Self-assessments of two Design Engineering activities.</li> <li>Self-assessments of two Nuclear Safety activities.</li> <li>DWP</li> </ul>	<p>As requested</p> <p>09/01, 09/02, 09/03</p> <p>09/01, 09/02, 09/03</p> <p>09/01, 09/02, 09/03</p> <p>09/01, 09/02, 09/03</p> <p>09/01, 09/02, 09/03</p> <p>09/01, 09/02, 09/03</p> <p>9/01, 09/02, 09/03</p> <p>1/31/01, 1/31/02, 1/31/03</p> <p>9/01, 9/02, 9/03</p> <p>9/01, 9/02, 9/03</p> <p>09/01, 09/02, 09/03</p> <p>09/01, 09/02, 09/03</p> <p>09/01, 09/02, 09/03</p>

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- ISMS is a level of effort (LOE) activity, which is estimated at 200 hours/FY. The exact scope of work is not known and the amount of support required is unknown. Therefore, once the budget for this activity is spent, additional funding will be required.

- Engineering Guides, Criteria, Standard Specifications, and Drawings are based on the following.

One new guidance for preparation of M/R package for subcontract =	250 hrs
One new Engineering Guide x 250 hrs =	250 hrs
Update ERC - General Design Criteria BHI-00747 =	250 hrs
Update Compliance Matrix for Facility Safety (BHI-01376) =	100 hrs
Support conversion of DOE Standards to ASCE Standards	50 hrs
<b>TOTAL</b>	<b>900 hrs/FY</b>

- DOE orders, directives, and regulations represent a level of effort (LOE) activity. Based on past experience, 150 hours/FY have been allotted for this task. However, the exact definition of the scope is not known and the amount of support required is not known. Therefore, once the budget for this activity is spent, additional funding will be required.

- The Configuration Management Plan is based on the following.

#### FY01

Prepare and finalize the outline of the CM Plan	100 hrs
Collect input from all projects and functional departments	150hrs
<b>TOTAL</b>	<b>250 hrs</b>

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#### FY02 (assuming CM Plan is prepared in FY01 with supplemental funding)

Verify adequacy of CM Plan.	100 hrs
Update CM Plan as necessary	100 hrs
Conduct training	100 hrs
<b>TOTAL</b>	<b>300 hrs</b>

#### FY03 (assuming CM Plan is prepared in FY01 with supplemental funding)

Update CM Plan as necessary	100 hrs
Conduct training	100hrs
<b>TOTAL</b>	<b>200 hrs</b>

- Value Engineering is based on the following.

	<u><b>FY01</b></u>	<u><b>FY02 &amp; 03</b></u>
Develop and support VE Program documents	240 hrs	40 hrs
Update training module (30 hours) and train 30 employees (30 x 1 hrs)	60 hrs	60 hrs
Review ER program from time to time and perform small VE Studies (Review: 80 hrs + 3 studies @ 40 hrs/study)	200 hrs	200 hrs
Prepare VE Annual Report (20 Engineering + 20 Other)	40 hrs	40 hrs
Provide support to DOE Value Engineering Program including responses to any actions from meeting at SAVE Conference and government audits (5 hours/month x 12)	60 hrs	60 hrs
<b>TOTAL</b>	<b>600 hrs</b>	<b>400hrs/FY</b>

- Nuclear Safety Engineering is based on the following.

Assessment Support	250 hrs
DNFSB Support	600 hrs
Authorization Basis/Agreements	170 hrs
Procedures/Documents	1400 hrs
Contracts	40 hrs
DOE Directives	440 hrs
Criticality	400hrs
Site Policy	250 hrs
Fire Support	60 hrs
Budget Administration	40 hrs
Computer Codes	70 hrs
Emergency Preparedness	80 hrs
<b>TOTAL</b>	<b>3800 hrs</b>

- Systems Engineering is a level of effort activity. Based on past experience, 810 hours are required. However, the exact definition of the scope is unknown, and the amount of scope required is unknown. Therefore, once the budget is spent, additional funds will be required.

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- Developing/revising procedures is based on the following.

	<u>FY01</u>	<u>FY02 &amp; 03</u>
Revise eight engineering EDPIs, and two MA-02 procedures.	1000 hrs	1000 hrs
Prepare and issue 15 Revision Orders.	120 hrs	120 hrs
Review Engineering procedures by other departments and projects.	180 hrs	180 hrs
Prepare new procedure in BHI-MA-02, "Managing Technical Risks."	80 hrs	
<b>TOTAL</b>	<b>1380 hrs</b>	<b>1300 hrs</b>
  
- Site-wide Initiatives and Program Subcontract Support is based on the following.

Two site-wide meetings per month plus		
Six additional ERC coordinating meetings	60 hrs/FY	
One subcontract	60 hrs/FY	
<b>TOTAL</b>	<b>120 hrs/FY</b>	
  
- Management is based on FY00 experience: 360 hours are required each fiscal year.
- CAD supervision is based on FY00 experience: 60 hours are required each fiscal year.
- Administrative support is based on FY00 experience: 900 hours are required each fiscal year.
- Management Assessments and Support is based on the following.

Prepare performance criteria objective, and schedule for each self-assessment	120 hrs
Two Design Engineering self assessments	320 hrs
Two Nuclear Safety self assessments	320 hrs
<b>TOTAL</b>	<b>760/FY</b>
  
- DOE Special Request for Nuclear Safety is a level of effort activity, which is estimated at 730 hours. The exact scope of work is not known, and the amount of support required is not known. Therefore, once the budget for this activity is spent, additional funding will be required.
- The DWP is based on FY99 experience: 200 hours are required each fiscal year.
- Project staff reports are based on FY00 experience: 240 hours are required each fiscal year.
- Performance Incentives activities are based on FY00 experience: 80 hours are required each fiscal year.



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**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Materials	01	Technical Publications
Travel	01	DOE Stds to ASCE Stds.; SAVE conf.; training
Materials	02	Technical Publications
Travel	02	DOE Stds to ASCE Stds.; SAVE conf.; training
Materials	03	Technical Publications
Travel	03	DOE Stds to ASCE Stds.; SAVE conf.; training

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
SDRC	01	FP	SLATE software training
Offsite Services	01	TBD	Support VE Procedures & Self Assessments
Offsite Services	02	TBD	Support VE & Self Assessments
Offsite Services	03	TBD	Support VE & Self Assessments

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## Subproject Strategy

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FIELD SUPPORT (NON-PROJECT SPECIFIC CAPITAL EQUIPMENT EXPENSE)

EA1206

1.4.10.1.3.10.01.01.01.32.06

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): W. B. Shoaf  
DOE-RL: J. M. Nelson  
Project Engineer: W. B. Shoaf  
Field Support: J. A. Bultena  
QS&H: N/A  
Project Controls: S. W. Vukelich  
PSS Rep: N/A  
RL Lead: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

#### NON-PROJECT SPECIFIC CAPITAL EQUIPMENT

This cost account involves management, field support, and procurement efforts in upgrading or improving the non-project specific capital equipment pool through additions, upgrades, replacements, and modifications of the equipment pool. Specific equipment items are developed from the project's work scope, from equipment needs, and through reviews of rent/lease/buy studies.

#### TASKS TO BE PERFORMED IN FY 2001:

A major task includes procurement, delivery, and acceptance of a shuttle truck. The ERC currently has one shuttle truck that is used for moving ERDF bulk waste containers. Expansion of bulk waste operations in FY02 on Reactor ISS, 233-S and S/M&T requires a second shuttle truck. The new shuttle truck is required before the start of FY02.

#### TASKS TO BE PERFORMED IN FY 2002:

Procure UP-70 demolition attachment.

#### TASKS TO BE PERFORMED IN FY 2003:

Procure 12,000 lb fork lift.

#### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – Tri-Party Agreement and others.)

Deliverables	Date
Procurement, delivery, and acceptance of a shuttle truck.	FY01

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### FIELD SUPPORT (NON-PROJECT SPECIFIC CAPITAL EQUIPMENT EXPENSE)

**EA1206**

1.4.10.1.3.10.01.01.01.32.06

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- This DWP does not include other equipment required for the ISS Reactor Project (currently not funded in FY01).
- Expedited costs for the shuttle truck (should the ISS Reactor receive supplemental funding) are not included in this DWP.

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Capital equipment	01	Shuttle truck
Capital equipment	02	UP – 70 Demolition Attachment
Capital equipment	03	12,000 lb. Fork Lift

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## Subproject Strategy

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### WASTE MANAGEMENT AND TRANSPORTATION

EA1208

1.4.10.1.3.10.01.01.01.32.08

## COST ACCOUNT PLAN

### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Atwood  
DOE-RL: J. M. Nelson  
Project Engineer: J. M. Atwood  
Field Support: N/A  
QS&H: N/A  
Project Controls: S. E. Vukelich  
PSS Rep: N/A  
RL Lead: J. H. Zeisloft

### WORK DESCRIPTION (Provide general work description of facility/building.)

#### General Description:

Maintain and update the ERC Waste Minimization and Pollution Prevention Plan (BHI-00099). Support waste minimization efforts toward achieving RL strategic goals within the ERC and the overall Hanford Site program, including pollution prevention meetings and teleconferences. Oversee completion and submittal of quarterly waste minimization/P2 reports and the RCRA Waste Minimization/Annual Waste Minimization reports. Facilitate and support development of return on investment proposals.

Evaluate areas and associated activities that could lead to potential volume reductions and which could be identified as waste minimization/pollution prevention efforts.

Provide Waste Management infrastructure and guidance to projects and functional groups; oversee implementation and maintenance of Waste Management Procedure Manuals (BHI-FS-03); prepare input to Waste Management reports (i.e., Annual Dangerous Waste Report and Mixed Waste Management Report/LDR Report).

#### TASKS TO BE PERFORMED IN FY 2001:

- Maintain technical oversight for ERC Waste Minimization/P2 activities.
- Complete opportunity assessments of waste minimization/P2 targets.
- Maintain the Waste Management infrastructure.
- Complete Waste Management reports as required by statutes, regulations, permits, compliance agreements, or DOE orders.

#### TASKS TO BE PERFORMED IN FY 2002:

Same as FY01.

#### TASKS TO BE PERFORMED IN FY 2003:

Same as FY01.

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### WASTE MANAGEMENT AND TRANSPORTATION

**EA1208**

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**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• Revise and update the ERC Waste Minimization and Pollution Prevention Plan	09/01, 09/02, 09/03
• Submit quarterly Waste Minimization/P2 reports (Level II)	Quarterly
• Submit/review Annual Waste Minimization Report	01/01, 01/02, 01/03
• Complete opportunity assessment reports (Level II)	01/31/01, 01/31/02 01/31/03
• Submit Annual Dangerous Waste Report (Level II)	03/01, 03/02, 03/03
• Mixed Waste Management Report/LDR Report (Level II)	07/01, 07/02, 07/03

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- Waste minimization activities are required by statutes, regulations, compliance agreements, or DOE orders.
- The opportunity assessment report will be a Performance Incentive for FY01 – FY03.
- RL waste minimization goals are consistent with DOE-HQ goals.
- Two waste streams will be evaluated for waste minimization opportunities in Phase 2 of the VE study.
- Mixed Waste Management Report/LDR Report input will be limited to available information from existing databases.

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EXTERNAL AFFAIRS

EA2203

1.4.10.1.3.10.01.01.02.32.03

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): B. S. Kuntz  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: G. C. Campbell  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

Plan and conduct public involvement activities for the ER Project, including public meetings, advertising, fact sheets, and displays. As directed by RL-IPI, assist RL-IPI in coordinating HAB-ER Committee activities with overall HAB activities (such as meeting schedules, agenda topics, etc.). Assist the DOE with the integration of ER activities in the RL site-wide public involvement program. Participate in Tri-Party Agreement Public Involvement Planning meetings and activities.

Plan and coordinate ER project information and events in a site-wide communications approach, as part of RL's emphasis on protecting the Columbia River.

Plan and implement a media relations program for the ER Project, including news releases, press conferences, Internet information, media tours, and response to media questions. Support state-wide emergency communications.

Produce information products for the ER Project, including project briefing sheets, annual reports, displays, presentations, and graphics.

Plan and implement an employee communications program, including preparation of articles for the Hanford Reach and other DOE publications, intranet information, as well as all-employee messages and all-employee meetings.

Coordinate and conduct briefings for appointed and elected officials at the local, regional, and national level, and provide information upon request.

Coordinate and conduct special events related to ER activities and accomplishments.

Update Internet information on, at a minimum, an annual basis.

For the External Affairs Department, plan, organize, direct, coordinate and formally evaluate the work of employees, set organizational goals and strategies, and provide top level guidance and direction for the organization.

**EXTERNAL AFFAIRS**

**EA2203**

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Provide general administrative support including data development and management, internet and Intranet information development, tour coordination, event planning, word processing, making appointments, answering phones, and serving as a central point of contact for information flow within and across organizations. Provide specialized administrative assistance to the External Affairs organization.

Provide tours to ER Projects.

Conduct weekly meetings with External Affairs staff to review previous activities and review the week ahead.

Preparation and updates of deliverables to support the Detailed Work Plan, including scoping statements and assumptions, code of account trees, estimates, drivers (etc.).

Gather input monthly from projects and functions relative to Performance Incentives. Compile input into status reports and discuss with RL monitors.

**TASKS TO BE PERFORMED IN FY 2001:**

Same activities as above.

**TASKS TO BE PERFORMED IN FY 2002:**

Same activities as above.

**TASKS TO BE PERFORMED IN FY 2003:**

Same activities as above.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
<ul style="list-style-type: none"><li>As requested, produce fact sheets, displays, newspaper advertisements, and a calendar of events. Coordinate ER Project personnel participation in public meetings, including those related to the Hanford Advisory Board. Complete logistical arrangements for ER Project public meetings and stakeholder tours.</li></ul>	
<ul style="list-style-type: none"><li>Develop the ER Annual Report. Create print and electronic articles and photographs for employee communications. Provide news releases, photographs, briefing sheets, and event logistics for media. Develop presentations, displays, and videotapes for general communications use.</li></ul>	
<ul style="list-style-type: none"><li>Reports</li></ul>	Weekly and Monthly
<ul style="list-style-type: none"><li>PI status report</li></ul>	Monthly
<ul style="list-style-type: none"><li>Provide tours as requested if approved by RL-AMEW</li></ul>	As Needed
<ul style="list-style-type: none"><li>Budgets and schedules as identified by Planning and Controls</li></ul>	As Needed

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**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- ER public involvement activities will be integrated with other Hanford Site work through RL-IPI, with the support of ER personnel. ER personnel will participate in HAB and HAB ER Committee meetings, up to 10 annually, for each entity. Travel is required for four HAB meetings that are not held in the Tri-Cities.
- The ER Project will continue to pay its share of site-wide costs for the Hanford Reach.
- For each weekday tour: estimate 6 hours of project support. For each Saturday tour: estimate 18 hours of project support. External Affairs will fund radiological support and D&D workers for B Reactor tours for media, congressional visitors, and DOE requests (estimated at 15 total). FDH and PNNL will pay for tours of B Reactor that they request. BHI will not pay FH for ER inclusion in site-wide tours at the request of the visiting entity.
- Weekly staff meetings of approximately 0.5 hours for each staff person.
- DWP: Twelve week preparation period with an average of four hours per week including attendance at required meetings.
- No resources have been allocated to support changes associated with Phase II of the MYWP/LRP update. Guidance will not be available until September FY00. Upon receipt, a BCP will be initiated and approved prior to commencing work activities.

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
Local Bus Company	01	FUP	Rental of buses to transport attendees to a B Reactor event
Same	02	FUP	Same
Same	03	FUP	Same

**WORK ORDERS** (i.e., work to be performed by FDH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
Fluor Hanford	01	Hanford Reach
Fluor Hanford	02	Hanford Reach
Fluor Hanford	03	Hanford Reach



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**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

<b>Description</b>	<b>FY</b>	<b>Scope</b>
Tri-City Herald, Inside Energy, Harvard Management Communication Letter, Weapons Complex Monitor, Energy Daily	01	Subscriptions
Same	02	Same
Same	03	Same

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### PROJECT PROCUREMENT

EA2205

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## COST ACCOUNT PLAN

### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): D. H. Houston  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: G. C. Campbell  
PSS Rep: N/A  
Other: R. O. Puthoff

### WORK DESCRIPTION (Provide general work description of facility/building.)

#### General Description:

#### Infrastructure and Contract Administration

Each BHI project requires many of the same types of subcontracts and purchase orders. Efficiencies can be gained (and unnecessary duplication of effort can be avoided) by segregating the common elements of these procurements, and by establishing subcontracts and purchase orders that contain these elements. When projects identify a need, these subcontracts and purchase orders can be used in a quick, efficient (across the board) way to provide projects with necessary support.

As with any subcontract or purchase order, there must be a level of administrative effort directed toward maintaining existing support subcontracts (Contract Administration), and the creation of new ones on an as-needed basis. The methods chosen by BHI to accomplish this task emphasize firm fixed-priced work. The efficiencies associated with maintaining the types of subcontracts used by the ERC have been considered in the development of this budget (i.e., this methodology is far less costly than the task-type cost-plus-fixed-fee subcontracts). This budget allows Procurement to set up mechanisms that facilitate a managed-risk, results-orientated, pay-for-performance approach to subcontracting. Because of the current WBS structure, charging practices dictate that BHI cannot charge these project-related costs to individual projects because these activities have potential benefits to multiple projects.

This account includes Subcontract Administration and annual negotiation of the pre-selected subcontractors.

Included in this account is the procurement planning effort associated with non-specific subcontract activities (i.e., planning effort incurred in anticipation of placing and administering subcontracts for technology demonstration in support of the initiatives of DOE's Office of Science and Technology, formerly known as the Environmental Management-50 program). Additionally, this budget includes procurement costs directly associated with PBS RL-ER10, ERC Program Management and Support budget planning, monitoring, and reporting. Also included in this account is Procurement Support Management that is directly related to activities performed in PBS RL-ER10, ERC Program Management and Support.

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**PROJECT PROCUREMENT**

**EA2205**

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The Procurement Tracking System (PTS) is Bechtel's standard procurement data management system. BHI has an obligation to report contractually required information to the DOE, and to monitor statistics associated with the "Balanced Scorecard" (BSC) Self-Assessment. To facilitate the reporting of data to DOE and BHI management, Procurement must keep track of information concerning BHI's purchases. PTS information includes the following:

- Contractual socio-economic goals that are met or exceeded (i.e., Small, Disadvantaged, or Minority Business Awards).
- Average dollars awarded to local businesses.
- The requirements for maintaining a data tracking system.
- The average dollars awarded to the State of Washington (eastern and western), Oregon, Idaho, and Alaska.
- The dollars committed to 8A certified businesses.
- The number of contracts bid competitively.
- The yearly procurements tracked and categorized by dollar range.
- The yearly procurements tracked and categorized by agreement type.
- The average time to award a purchase order within a dollar range.

In addition to the contractual requirement for PTS, it also makes good business sense to have an automated tracking system since PTS is capable of generating requisitions electronically. The amount of time spent submitting FMRs/MRs to Procurement includes the hand-written form being sent to at least three individuals for signature approval; entering the request into PTS; being acknowledged by Procurement; and sending the form to the Buyer for action. Electronic generation of these requests can feasibly reduce a possible 1-week process to 1 or 2 days.

Data integrity is paramount to reporting. Continuous monitoring of the PTS system and its users translates into "data integrity."

The BHI Controller's department requires purchase order activity and material receipt activity to pay invoices in a timely manner.

PTS allows buyers to identify suppliers based on areas of specialty or expertise. PTS maintains a history of all activity with each supplier, including quality assurance/evaluation information. PTS maintains tracking of vendors by Dunn Bradstreet (DB) numbers and commodity codes (type of product by category [i.e., environmental, mechanical, civil, etc.]).

Also included in this account are efforts to supplement PTS, such as maintenance of the change order log, and PTS training sessions.

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**PROJECT PROCUREMENT**

**EA2205**

1.4.10.1.3.10.01.01.02.32.05

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**Procedures, Self-Assessment, Compliance**

BHI has implemented the "Balanced Scorecard" (BSC) Self-Assessment, which replaced the "Value Based Self-Assessment" (VBSA), and the Contractor Procurement System Review and Contractor Personal Property System Review (CPSR/CPPSR) as the method for DOE evaluation and approval of the contractor's procurement and property system. The BSC requires an in-depth self-assessment plan with extensive and continuous internal compliance checks, metrics, and surveys. The system and monitoring, plus the results, will determine the acceptability and level of authority DOE will allow BHI in its operations.

This system is composed of the following major perspectives: Customer Satisfaction, Internal Business, Learning and Growth, Financial, and Property Management.

This account includes support to the DOE by participating in the Procurement Evaluation and Re-Engineering Committee (PERT).

Also included in this account are Procurement and Property Management in-house training programs (i.e., Cost/Price Analysis and Subcontract Management). The activities monitored by the BSC program extend to organizations outside Procurement and Property Management. Selected training is an important part of ensuring a successful BSC program.

**Small Business**

In the execution of BHI's responsibilities under the ERC, BHI is required to comply with Public Law 95-507, Federal Acquisition Regulations (FAR) 52.219-8, 52.219.9, and 52.219-13. In addition, BHI's prime contract requires a subcontracting plan that is negotiated with the DOE. The plan is a percent of the total planned subcontracting effort available whereby small/disadvantaged/women-owned business goals are established. These statistics are compiled and monitored on a monthly/semi-annual basis to the DOE, BSII, and BHI management.

The purpose of the ERC small business/small disadvantaged program is to comply with the Public Law, FARs, and the prime contract by enhancing the participation of small, disadvantaged, and women-owned businesses with respect to BHI procurement opportunities. These businesses should have the maximum practical opportunity to participate in the performance of purchase orders by BHI, as is consistent with efficient and economic business practices.

In addition, BHI's prime contract requires all subcontractors who receive subcontracts in excess of \$500,000 (\$1,000,000 for construction) to adopt a similar subcontracting plan. This plan is approved and monitored by the BHI Small Business Representative.

To increase communications between various contractors, the DOE has requested the Small Business Representatives from each contractor to meet monthly in order to share information. The council coordinates small business conferences, exchanges upcoming conference information, and discusses any small business-related concerns or issues.

In an effort to increase small/disadvantaged business awards, various outreach activities are attended by the Small Business Representative and/or BHI procurement employees, including local and regional small business conferences.

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**PROJECT PROCUREMENT**

**EA2205**

1.4.10.1.3.10.01.01.02.32.05

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The Small Business Representative receives numerous phone calls and visits from vendors who want to do business with BHI. A supplier contractor questionnaire and other forms of ERC information are given to the company. The completed vendor information is entered into the BHI database for future solicitations.

Directories are made available to the Business Representatives and Procurement Specialists (i.e., the Partnership in Trade Directory, 8(a) Regional Directory, Try Us Minority Directory). The Small Business Representative also uses the Supplier Information System (SIS) in the BHI Procurement Tracking System (PTS) to gather vendor commodity listings for the procurement specialists.

### **Project Procurement Management**

Management oversight related to activities performed in PBS RL-ER10 is provided. These activities include management support related to the following activities: development and maintenance of project procurement procedures for contracting officer concurrence; maintaining a contractor purchasing system; maintaining a required training program; performing self-assessments and compliance reviews; maintaining a database for small businesses, small disadvantaged business, and women-owned businesses; developing and participating in SB/SDB/WOB conferences, SB/SDB outreach functions, and reporting; coordinating with functional project managers on infrastructure subcontracts and blanket purchase orders; providing support to non-specific COA activities supporting DOE's office of Technology Development (EM-50); providing support to DOE's Procurement Evaluation and Re-engineering (PERT) team; maintaining an automated procurement tracking system; maintaining property procedures for contracting officer concurrence; maintaining contractor personnel property system; providing required training.

### **Project Procurement - Administration Support**

Provide administrative support services related to activities performed in PBS RL-ER10. These activities include support related to the following activities: development and maintenance of project procurement procedures for contracting officer concurrence; maintaining a contractor purchasing system and a required training program; perform self-assessments and compliance reviews; maintain a database for small business, small disadvantaged business, and women-owned businesses; develop and participate in SB/SDB/WOB conferences; SB/SDB outreach functions and reporting; coordinate with functional project managers on infrastructure subcontracts and blanket purchase orders; provide support to non-specific COA activities supporting EM-50; provide support to the PERT team; maintain an automated procurement tracking system; maintain property procedures for contracting officer concurrence; maintain a contractor personnel property system.

### **Project Procurement Planning and Controls Support**

Prepare the Detailed Work Plan (DWP) for Procurement and Property Management, including estimating and preparing the cost account plan work scope and schedules. This includes review of the work plan with management, RL, and the regulators; incorporation of changes recommended during reviews; and management approval.

Develop, negotiate, prepare, and status BHI performance objective criteria or incentive share proposals. Prepare POCs with management and prepare monthly status reports and reviews. Develop and support, as required, the ISP process. This includes input to the semi-annual POC self-assessment for submittal.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

### PROJECT PROCUREMENT

**EA2205**

1.4.10.1.3.10.01.01.02.32.05

#### TASKS TO BE PERFORMED IN FY 2001:

Same activities as listed in the work description.

#### TASKS TO BE PERFORMED IN FY 2002:

Same activities as listed in the work description.

#### TASKS TO BE PERFORMED IN FY 2003:

Same activities as listed in the work description.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• Issue the BSC (Balanced Scorecard Plan) to RL	09/28/01
• Perform BSCs (Balanced Scorecard Self-Assessments) for Procurement and Personal Property	09/28/01
• Issue a SB/SDB/WOB (Small Business/Small Disadvantaged Business/Woman-Owned Business) Statistics to RL	10/31/00

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- Project and functional group detailed work plans contain assumptions on the number and types of major subcontracts to be awarded and administered.
- Small and Small Disadvantaged Business outreach programs will operate as in previous years. However, new Small Business rules and self-certification of small disadvantaged business is no longer permitted.
- The PTS will be maintained at current levels of service and operations. Enhancements to PTS software are not included in the DWP for FY01, 02 or 03.
- Existing Master Agreements for engineering support and services will be re-bid. Additional Master Agreements will be awarded as new ERC project needs are identified.

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## Subproject Strategy

October 1, 2000

### PROJECT PROCUREMENT

**EA2205**

1.4.10.1.3.10.01.01.02.32.05

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
ROS support	01	TBD	PTS support for report designs and problem resolutions from BNI. Outside verification of BSC Self-Assessment (3 <sup>rd</sup> qtr)
ROS support	02	TBD	PTS support for report designs and problem resolutions from BNI. Outside verification of BSC Self-Assessment (3 <sup>rd</sup> qtr)
ROS support	03	TBD	PTS support for report designs and problem resolutions from BNI. Outside verification of BSC Self-Assessment (3 <sup>rd</sup> qtr)

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Registration/workshop supplies	01	Small Business Outreach Activities
Registration/workshop supplies	02	Small Business Outreach Activities
Registration/workshop supplies	03	Small Business Outreach Activities
Travel	01	PERT Support Activities Potential Visits to Supplier Facilities
Travel	02	PERT Support Activities Potential Visits to Supplier Facilities
Travel	03	PERT Support Activities Potential Visits to Supplier Facilities

PBS#: RL-ER10  
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## Subproject Strategy

October 1, 2000

### RECORDS & DOCUMENT CONTROL

EA2206

1.4.10.1.3.10.01.01.02.32.06

## COST ACCOUNT PLAN

### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): W. J. Peintinger/D. S. Johnson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: G. C. Campbell  
PSS Rep: N/A  
RL Lead: L. K. Jarnagin

### WORK DESCRIPTION (Provide general work description of facility/building.)

#### General Description:

#### TASKS TO BE PERFORMED IN FY 2001:

##### Procedures Coordination

Coordinate the paper/electronic processing and issuance of all BHI/ERC controlled procedures and manuals. Arrange for printing, prepare transmittals, provide for paper distribution, and maintain electronic files for ERC Intranet/Internet/Document Management System (DMS) access. Update tables of contents; maintain electronic signature identifiers; assign number/letter identifiers to manuals/procedures/revision orders; process exiting employee reports and sign-off forms; and update/process/issue procedure updates, revision orders, and cancellations.

Recall and reissue procedures/manuals, as necessary. Update/maintain electronic and paper records and history files. Assist in establishing standards for writing, formatting, and processing BHI procedures/manuals. Oversee quality control to ensure compliance with BHI/DOE standards. Write/update select procedures.

Coordinate the issuance of ERC Project forms. Train all Procedure Administrators and Forms Coordinators. Continuously improve work process to enhance deliverables, thereby eliminating duplication and rework, including performing self-assessments.

##### Document Control

Operate and maintain a central document control center (DCC) and satellite centers that track, control, and distribute (electronic and paper); maintain appropriate electronic and paper files and process records for correspondence (and related action items), published reports, revisable documents and change documents, supplier/subcontractor submittals, and data packages for ERC personnel. This also includes screening documents for inclusion in the Hanford Administrative Record and basic operation and maintenance of the DARTS database and the DMS. Continuously improve work process to enhance deliverables, thereby eliminating duplication and rework, including performing self-assessments.



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**RECORDS & DOCUMENT CONTROL**

**EA2206**

1.4.10.1.3.10.01.01.02.32.06

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**Records Management**

Maintain document and record retirement and retrieval systems for bulk ERC and non-ERC records that are not processed by the DCC. Coordinate the record retirement of records that are processed by the DCC. Maintain an interface with and process ERC records to and from the Records Holding Area (RHA). Coordinate, collect, and report records inventory and disposition schedules (RIDS) information for the ERC. Coordinate preparation and updates for BHI records retention plan. Coordinate the collection of BHI corporate records and eventual retirement to Bechtel Corporate. Continuously improve work process to enhance deliverables, thereby eliminating duplication and rework, including performing self-assessments.

**Environmental Resource Library**

Maintain the ER Library; update a library set of procedure manuals; order published materials and subscriptions. Perform library record searches for ERC personnel.

**Records Holding Area and Engineering Release Support**

**Records Holding Area:** Covers the cost of long-term, low-cost storage for **inactive** Hanford/ERC-generated site records. Records are received, stored, retrieved, and dispositioned for all Hanford contractors and DOE-RL. Provides the interface with the Seattle Federal Records Center, as needed.

**Microfilming Drawings:** Cover the costs of managing the Hanford Site engineering drawing repository and associated custody control, files management, maintenance and storage services for site drawings required/originated by the ERC, including the most recent drawing revision in original format and 35-mm microfilm aperture card copies of current revisions.

**Engineering Release:** Covers the cost of document release of Hanford Site technical information as required by the ERC, including change status verification and copies of documents.

**Central Files:** Covers the cost of copying services for **active** Hanford-generated records, including operation of legacy Central File and Certified Vendor Information repositories, as required by the ERC.

**Copies of Engineering Prints:** Provides full-size copies of engineering prints, as required by the ERC.

**Library Services:** Includes PNNL library services specifically requested by the ERC Librarian.

**Administrative Record Support**

Covers the cost of records administration for ERC documents generated in support of permitting or closure of each treatment, storage, or disposal unit required by the *Tri-Party Agreement*, RCRA, or CERCLA to be processed into the Administrative Record file. This scope also includes maintenance of four Public Information Repositories in the Pacific Northwest.

**Y120 - Supervision**

Provide functional direction and supervision to the Records, Procedures, and Document Control activities.

**RECORDS & DOCUMENT CONTROL**

**EA2206**

1.4.10.1.3.10.01.01.02.32.06

**TASKS TO BE PERFORMED IN FY 2002:**

Same activities as listed in the work description.

**TASKS TO BE PERFORMED IN FY 2003:**

Same activities as listed in the work description.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
<b>Procedures Coordination</b>	<b>Ongoing</b>
<ul style="list-style-type: none"><li>• Provide DARTS database tracking for the current status of BHI manuals/procedures.</li><li>• Administer DMS electronic files for all BHI manuals/procedures, including paper manuals, procedures, and revision orders.</li><li>• Process paper transmittals, transmittal of receipt acknowledgments, monthly/quarterly reports, and paper records and history files.</li><li>• Update the BHI Intranet/Internet library section containing electronic copies of all current BHI manuals/procedures, electronic versions of BHI forms, lists of Procedure Administrators, and Forms Coordinators.</li></ul>	
<b>Document Control</b>	<b>Ongoing</b>
<ul style="list-style-type: none"><li>• Distribute documents processed by DCC in electronic and paper forms.</li><li>• Provide database reporting, including outstanding action items; transmittals for controlled distribution of documents.</li><li>• Transmit ER documents to the Hanford Administrative Record.</li><li>• Maintain profile information and documents from DARTS and DMS.</li><li>• Respond to customer requests.</li></ul>	
<b>Records Management</b>	<b>Ongoing</b>
<ul style="list-style-type: none"><li>• Administer RIDS for ERC personnel and files, and perform RIDS database input.</li><li>• Develop BHI records retention plan.</li><li>• Complete RHA records transfer/data transfer forms.</li><li>• Complete Unclassified material pickup notice forms.</li><li>• Deliver records to and from ERC personnel.</li><li>• Provide research for customers.</li></ul>	

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**RECORDS & DOCUMENT CONTROL**

**EA2206**

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**Environmental Resource Library**

**Ongoing**

- Provide Library Services for published material and subscriptions, including on-line availability of published material.

**Records Holding Area, Engineering Release Support, Microfilming, Central Files, Engineering Prints, and Library Services**

**Ongoing**

- Provide storage and retention services for ERC record boxes located at the Records Holding Area and Federal Records Center. Issue ECNs and other engineering documents.
- Provide retrieval, update, storage, and microfilm services for engineering drawings.
- Provide copies of records from other contractor files.
- Provide PNNL library services specifically requested by the ERC.

**Administrative Record Support**

**Ongoing**

Provide administration of Hanford Site Administrative Records in compliance with the TPA, CERCLA, and RCRA.

<p><b>BASIS/ASSUMPTIONS</b> (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)</p>
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No resources have been allocated to support changes associates with Phase II of the MYWP/LRP update. Guidance will not be available until September FY00. Upon receipt, a BCP will be initiated and approved prior to commencing work activities.

The numbers of documents that are created and processed are not in direct relationship to the number of project personnel.

The FY01 basis/assumptions will be similar to the FY00 experience.

FY02 and FY03 basis/assumptions will be similar to FY01 basis/assumptions.

**Procedure Coordination**

Process an average of 50 procedures and revision orders per month.

**Document Control**

Process a monthly average of the following document types:

Correspondence	800
Revisable Documents	170
Records	6,000
Copies	140,000
Customer Requests	1,850 for Procedures, Document Control, and Records Management

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## Subproject Strategy

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### RECORDS & DOCUMENT CONTROL

**EA2206**

1.4.10.1.3.10.01.01.02.32.06

### Records Management

Managing the following number of boxes in storage:

Records Holding Area	911
Federal Records Center	1,554

Manage the following records/non-records for processing to storage.

Boxes on site	1,360
File cabinets (endpoint files:	28 file cabinets)

### Environmental Resource Library

Average of 19 purchases and 15 searches a month.

**WORK ORDERS** (i.e., work to be performed by FDH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
FH (Hanford)	01	RHA & microfilming and copying of engineering prints
FH (Hanford)	02	RHA & microfilming and copying of engineering prints
FH (Hanford)	03	RHA & microfilming and copying of engineering prints
PNNL	01	Library services
PNNL	02	Library services
PNNL	03	Library services
<b>PURCHASE ORDERS</b>		
LMSI	01	Engineering releases, central files
LMSI	02	Engineering releases, central files
LMSI	03	Engineering releases, central files
LMSI	01	Administrative records support
LMSI	02	Administrative records support
LMSI	03	Administrative records support

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## Subproject Strategy

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### RECORDS & DOCUMENT CONTROL

EA2206

1.4.10.1.3.10.01.01.02.32.06

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Blackline/scanner maintenance	01	Maintenance
Blackline/scanner maintenance	02	Same
Blackline/scanner maintenance	03	Same
Aperture card reader maintenance	01	Same
Aperture card reader maintenance	02	Same
Aperture card reader maintenance	03	Same
Scanner with XEROX 265 machine lease	01	Procurement
Scanner with XEROX 265 machine lease	02	Procurement
Scanner with XEROX 265 machine lease	03	Procurement
Fujitsu Scanner Maintenance	01	Maintenance
Fujitsu Scanner Maintenance	02	Same
Fujitsu Scanner Maintenance	03	Same
Adobe Acrobat Capture	01	Procure software
Adobe Acrobat Capture	02	Procure software
Adobe Acrobat Capture	03	Procure software
Travel	01	DOE RM Conference; ARMA Conference
Travel	02	DOE RM Conference; ARMA Conference
Travel	03	DOE RM Conference; ARMA Conference

**PROJECT BASELINE MANAGEMENT**

**EA3202**

1.4.10.1.3.10.01.01.03.32.02

**COST ACCOUNT PLAN**

**KEY PROJECT TEAM MEMBERS**

Task Lead (CAM): M. R. Watson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: K. L. Cochran  
PSS Rep: N/A  
RL Lead: C. H. Gunion

**WORK DESCRIPTION** (Provide general work description of facility/building.)

**General Description:**

This account includes the following ER Baseline Management project planning and control activities:

- **MEA322Y110** - Manage the general activities of line and staff functions. Plan, organize, direct, coordinate, and formally evaluate the work of other managers, professionals, and other exempt staff. This generally involves such activities as setting organizational goals and strategies, and providing top level guidance and direction for the organization.
- **MEA322Y120** - Directly supervise and coordinate work activities for production-related work. Provide job-related training for workers being supervised. Supervision may include both exempt and non-exempt personnel.
- **MEA322YH80** - Support DOE information requests, including requests from RL and HQ for baseline and other planning data and studies.
- **MEA322YN50** - Provide strategic planning, emphasizing the ERC interface for Hanford Site planning activities, and provide input to Hanford Site data calls, and support the ER project interface to the Hanford Advisory Board.
- **MEA322YN60** - Provide Long-Range Plan development, updates, and maintenance; support RL in revising the RL Life Cycle Baseline (i.e., new WBS/rate structure corresponding to split in work between the River Corridor and the Central Plateau).
- **MEA322YN70** - Provide baseline management and baseline updates, including updates to the project specification, baseline estimates, change control and coordination, and tracking and baseline database maintenance. Provide release site and facility database coordination and review, and performance measures updates.
- **MEA322YN80** - Provide DWP development and coordination; develop the DWP guidance document; prepare for the annual DWP kickoff meeting. Coordinate and prepare the DWP for approval and distribution.

**PROJECT BASELINE MANAGEMENT**

**EA3202**

1.4.10.1.3.10.01.01.03.32.02

- **MEA322YNB0** - Develop and coordinate the outyear budget planning documents. Develop and coordinate the ER Project Baseline Summaries (PBSs). Coordinate the ER project priority lists and integrate into the Hanford Site Integrated Priority List (IPL). Coordinate the ER project responses to Unified Field Budget Request, and develop Units of Analysis sheets. Support input into IPABs for MYWP, limited updates Part A and Part B, and IPL input.
- **MEA322YNC0** - Develop and coordinate the monthly input to IPABS for progress reporting Project Execution Module (PEM) in IPABS.
- **MEA322YND0** - Develop and coordinate mid-year and year-end presentations, Monthly Progress Reports, the Environmental Management Performance Report (EMPR), and the Performance Management Meeting (PMM) package.
- **MEA322YNF0** - Provide support to ER project financial audit; including estimate support for project validations and audits (audits limited to two GAO/IG audits and two pricing/baseline validation audits).
- **MEA322YNJ0** - Coordinate the *Tri-Party Agreement* administrative activities and support *Tri-Party Agreement* integration.

**TASKS TO BE PERFORMED IN FY 2001:**

Same activities as listed in the work description.

**TASKS TO BE PERFORMED IN FY 2002:**

Same activities as listed in the work description.

**TASKS TO BE PERFORMED IN FY 2003:**

Same activities as listed in the work description.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• Solid Waste Information System Update	05/01
• Hanford Site Integrated Schedule Update	Quarterly
• Integrated Site Baseline Update	06/01
• Long-Range Plan Update	12/00
• Baseline Update	12/00
• Project Forecast Summary (long sheet)	Weekly
• Project Plan (Change Control Register)	Weekly
• Detailed Work Plan Coordination	09/01
• Detailed Work Plan Guidance	05/01
• Release Site Database Update (Baseline Update)	12/00
• Project Specification Update (Baseline Update)	12/00
• Out Year/Paths to Closure (Planning & Controls)	12/00
• Operations Plan	Monthly
• Project Priority List/Integrated Priority List (IPL)	03/01

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## Subproject Strategy

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### PROJECT BASELINE MANAGEMENT

EA3202

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Deliverables	Date
• Project Baseline Summaries (PBS Update Limited Part A, Part B)	04/01
• ES&H Risk Narratives (PBS Update)	Semi Annual
• Unified Field Budget Request (Integrated Site submission)	04/01
• Units of Analysis Sheets (PBS Update)	03/01
• Progress Execution Module (PEM)	Monthly
• FY00 Year-End Presentation	12/00
• FY01 Mid-Year Presentation	5/01
• Monthly Progress Report	Monthly
• Environmental Management Performance Report (EMPR)	Monthly
• Performance Management Meeting (PMM) Package	Monthly
• TPA Quarterly Reports	Quarterly
• TPA Milestone Updates; maintain TPA Milestone Database	Monthly
• Audit Support (4 audits/validations, Oct. through Sept.)	Monthly
• DOE Information Requests	As requested

**NOTE:** Same deliverables and dates for FY02 and FY03.

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- Unless otherwise noted, the major deliverables in this account are considered to be prepared or updated once each fiscal year. No allowance is included for non-typical or unplanned updates to identified deliverables, such as interim updates of LRP, special or unplanned budget submittal/IPABS updates (etc.).
- The budgeting for individual project estimating, preparation of information, and detail management within the projects for the major deliverables (IPL, PBS's, DWP, LRP, Baseline) is included in the individual project budgets.
- The development and approval of change requests for the individual projects is included in the individual project budget.

**WORK ORDERS** (i.e., work to be performed by FDH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
FH	01	TPA support
FH	02	TPA support
FH	03	TPA support



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## Subproject Strategy

October 1, 2000

PROJECT SERVICES

EA3203

1.4.10.1.3.10.01.01.03.32.03

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): D. M. Clemens  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: K. L. Cochran  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

- **MEA323Y120** - Provide overall supervision of the ERC Planning and Controls (P&C) for "Project Services" (Cost Account EA3203).
- **MEA323Y220** - Provide general administrative, secretarial, and clerical support to ER Project organizations.
- **MEA323YH80** - Respond to DOE requests that affect overall ERC programs, but which are not project specific.
- **MEA323YN40** - Prepare and maintain reports to support fiscal year funding. Track and monitor contract modifications and funding variances.
- Define, coordinate, and maintain ER provisional billing rates.
- **MEA323YN80** - Develop Detailed Work Plan (DWP) system guidance, P3 and Parade shells and rates. Develop the annual DWP for the P&C Staff group.
- **MEA323YND0** - Provide ERC monthly deliverables, including various schedules and reports. (i.e., Overtime Report, Offsite Services Status Report, DOE-RL Fiscal Year Outlay Estimate and Actual Report and Payroll Cost for Hanford Diversification and Tri-Cities Economy.)
- **MEA323YNF0** - Provide P&C staff support for overview audits and validations of P&C with DCAA, GAO, DOE pricing validations and internal audit.
- **MEA323YNK0** - Support BHI Human Resources in the development of the DOE Workforce Planning and Common Occupational Classification System (COCS).
- **MEA323YNL0** - Provide support for DOE Functional Support Cost Reporting (FSCR).
- **MEA323YT30** - Provide support for Performance Incentives (PIs).

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HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

### PROJECT SERVICES

**EA3203**

1.4.10.1.3.10.01.01.03.32.03

#### TASKS TO BE PERFORMED IN FY 2001:

Same activities as listed in the work description.

#### TASKS TO BE PERFORMED IN FY 2002:

Same activities as listed in the work description.

#### TASKS TO BE PERFORMED IN FY 2003:

Same activities as listed in the work description.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• Rate analysis/curves	Monthly
• BHI Provisional Billing Rates	3 per Year
• Funds Management Report	Monthly
• DWP System guidance document	Annually
• DWP P3/Parade shells and rates	Annually
• DOE Requests	As Requested
• DOE COCS Reports	Annually
• DOE Functional Support Cost Report	Semi-Annually
• ERC Reports and Presentations	As Requested
• Overtime Report	Monthly
• Off-Site Services Status Report	Monthly
• DOE-RL Fiscal Year Outlay Estimate and Actual Report for "Hanford Diversification and the Tri-Cities Economy"	Quarterly
• P&C Commercial vs. Hanford Matrix	Quarterly
• DOE-RL Payroll Cost	Annually

**NOTE:** Same deliverables and dates for FY02 and FY03.

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- No detailed integrated schedules are required (or compiled) for functional management. The budget for the management of these items, within the projects, is included in project's budget.
- No resources have been allocated to support changes associated with Phase II of the MYWP/LRP update. Guidance will not be available until September FY00. Upon receipt, a BCP will be initiated and approved prior to commencing work activities.
- Assumes no contract changes will be implemented that affect the basis for calculating the Performance Fee base.
- No contract transition costs are included.

**PBS#:** RL-ER10  
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## Subproject Strategy

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### PROJECT SERVICES

**EA3203**

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- No significant changes in reporting requirements for FY01 over FY00 (DOE, DOE-HQ, and ERC).
- No significant change in funding and rate development/analysis.
- No allowance for major unplanned budget exercises above the DWP update activities.
- Assumes no significant changes in FY01 over FY00 DWP update/reporting requirements and schedule.
- Assumes no contract changes will be implemented that affect the basis for calculating the Performance Fee base.

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
Technical support	01	FUP	P&C staff augment.
Technical support	02	FUP	P&C staff augment.
Technical support	03	FUP	P&C staff augment.

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## Subproject Strategy

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PM&S PROJECT SUPPORT

EA3204

1.4.10.1.3.10.01.01.03.32.04

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): L. W. Lingle  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: K. L. Cochran  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

This activity provides overall management/oversight and Planning and Controls support to cost accounts within the following areas contained in Program Management and Support (PM&S): Technical Support, Project and Program Support, Planning and Controls (P&C), and Compliance, Quality, Safety, and Health (CQS&H). Also included is management /oversight and Planning and Controls support for cost accounts within the Direct Distribs/Indirect/Operating Centers (DD/IN/OC). The management and support effort includes the following:

- **MEA324Y120** - Directly supervise and coordinate the work activities of production-related work. Provide job-related training for workers being supervised.
- **MEA324YH80** - Respond to DOE requests for information that are not routine, or which are not specifically identified in the detailed work plan. This includes DOE requests for budget exercises due to changes in funding or priorities.
- **MEA324YN70** – Provide periodic updates to baseline change control to maintain the current budget for defined scope. This also includes development/issuance of Baseline Change Proposals (BCPs), and an annual update of the baselines.
- **MEA324YN80** - Prepare the Detailed Work Plan (DWP), including estimating and preparation of DWP cost charts and schedules. This includes review of the work plan with ERC management, RL, and the regulators, as well as incorporation of changes recommended during reviews.
- **MEA324YN90** - Develop and monitor project cost estimates, plans, and project schedules, including control activities not directly associated with specific cost accounts. Maintain the performance monitoring system with current budget information and actual cost data. This includes general code of account (COA) and charging practice analysis.
- **MEA324YNA0** - Prepare estimates, including estimate review packages and details of project estimates; review estimates with ERC management and DOE-RL; complete estimates for issue. Participate in estimate validation reviews and requests for information.

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## Subproject Strategy

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### PM&S PROJECT SUPPORT

**EA3204**

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- **MEA324YNB0** - Staff input in the development of PBS updates, including the Environmental Safety and Health (ES&H) risk narrative and PBS table input. Also support the Integrated Priority List development and support, and Unit of Analysis updates.
- **MEA324YNC0** - Preparation and input to the monthly Project Execution Module (PEM) requirements for cost, schedule, and status information for submittal and review by RL.
- **MEA327YND0** - Provide input to and preparation of reports, including the monthly progress report, overtime reports and charts, staffing curves, program support, mid-year, year-end presentations, and other defined presentations to DOE management and regulators. (See the Major Products and Deliverables Section).
- **MEA324YNF0** - Provide support (as requested) to various audits and validations, such as DOE-RL (RL), Defense Contract Audit Agency (DCAA), General Accounting Office (GAO), Office of Inspector General (IG), Business Management Overview Process (BMOP), pricing validation of rates, and other audits.
- **MEA324YT30** - Provide development, negotiation, preparation, and status of BHI Performance Incentives (PIs), as well as Stretch and Superstretch initiatives used to determine incentive fee for BHI. This work is done (as required) through the contractual arrangement by the ERC (with DOE-RL), and is implemented by the issuance of the Performance Based Fee determination plan. Provide preparation of PIs, including management and preparation of the monthly status report, including input to the PI self-assessment.

#### TASKS TO BE PERFORMED IN FY 2001:

Same activities as listed in the work description.

#### TASKS TO BE PERFORMED IN FY 2002:

Same activities as listed in the work description.

#### TASKS TO BE PERFORMED IN FY 2003:

Same activities as listed in the work description.

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### PM&S PROJECT SUPPORT

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**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• PM&S Input to Baseline Update	12/00
• PM&S (RL-ER10) Project Baseline Summary (PBS)	04/01
• PM&S FY02-04 Detailed Work Plan	09/01
• PM&S Project Review Status Update	Monthly
• PM&S Forecast Expenditure Plan Report (FEP)	Monthly
• PM&S Cost Performance Reports (CPR)	Monthly
• PM&S Progress Report	Monthly
• PM&S input to PEM Report	Monthly
• Overtime report	Monthly
• Labor reports	Weekly
• Staffing Reports	Monthly

**NOTE:** Same deliverables and dates for FY02 and FY03.

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- This effort supports only the PM&S management/oversight, and provides cost/schedule information and data for the ER project summary reports and deliverables.
- No resources have been allocated to support changes associated with Phase II of the MYWP/LRP update. Guidance will not be available until September FY00. Upon receipt, a BCP will be initiated and approved prior to commencing work activities.

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
Technical support	01	FUP	P&C staff augmentation
Technical support	02	FUP	P&C staff augmentation
Technical support	03	FUP	P&C staff augmentation

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## Subproject Strategy

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BHI PERFORMANCE MEASUREMENT

EA3208

1.4.10.1.3.10.01.01.03.32.08

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): L. W. Lingle  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: K. L. Cochran  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

This account contains the performance fee budget. A Performance Plan is prepared annually, before the beginning of the fiscal year. The plan supports the development and administration of PIs, standards, and other incentives for the ERC. RL will use this plan to evaluate BHI's performance in meeting ERC requirements. The Performance-Based Determination process described in this plan awards a fee based on BHI performance.

##### TASKS TO BE PERFORMED IN FY 2001:

Same activities as listed in the work description.

##### TASKS TO BE PERFORMED IN FY 2002:

Same activities as listed in the work description.

##### TASKS TO BE PERFORMED IN FY 2003:

Same activities as listed in the work description.

#### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables

Date

None.

#### BASIS/ASSUMPTIONS (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

None.

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## Subproject Strategy

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SAFETY & HEALTH/ASSESSMENT

EA4202

1.4.10.1.3.10.01.01.04.32.02

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. E. Tarpinian  
DOE-RL: J. M. Nelson  
Project Engineer: R. D. Lichfield/J. W. Carson  
Field Support: N/A  
QS&H: J. E. Tarpinian  
Project Controls: G. L. Black  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

**Safety and Hygiene Program Management:** Provide technical and programmatic support for the development, maintenance, and implementation of the ERC Safety and Hygiene Program for all projects. Provide safety, hygiene, and occupational health programmatic guidance, oversight, policy, and procedures, and technical support to ERC projects and management.

**Fire Protection:** Provide technical and programmatic support for the development, maintenance, and implementation of the ERC Fire Protection (FP) Program for all projects. Conduct functional technical overview of the fire protection program, and serve as the liaison with the Hanford Fire Department relative to system testing and maintenance and fire protection issues.

**Industrial Hygiene Program:** Provide programmatic guidance, oversight, policy, and procedures, technical support to ERC and management, and functional technical overview for the implementation of the Industrial Hygiene Program.

**Industrial Safety Program:** Provide and implement an ERC Industrial Safety (IS) Program that complies with the provisions of OSHA, other applicable requirements, and with Bechtel Corporate safety policies.

**Maintaining An Approved Integrated Safety Management System:** Provide centralized programmatic oversight, functional guidance, and continuing maintenance of the Integrated Safety Management System program to the ERC team, including pre-selected subcontractors. This is designed to assure the consistent and uniform interpretation and implementation of DOE Policy 450.4, "Safety Management System Policy." Provide a centralized ISMS point of contact for internal and external entities.

**Chemical Management System Oversight and Implementation:** Provide technical support and functional guidance for the ERC Chemical Management System (CMS) Program.

**Occurrence Reporting/Lessons Learned/ Critiques/Root Cause Analysis:** Provide programmatic administration and oversight of occurrence reporting program, report writing, updating of ORPS database, technical support to projects, and administration of the Lessons Learned Program, accident investigation, and BHI SPOC (Single Point of Contact) programs.



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**SAFETY & HEALTH/ASSESSMENT**

**EA4202**

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**Safeguard and Security:** Operation, administration, and oversight of the ERC security program, including program development and maintenance.

**Emergency Preparedness:** Management and oversight of the ERC emergency management program.

**Emergency Preparedness Hazards Assessment:** Management and oversight of the ERC Emergency Management Hazards Assessment Program.

**Site-Wide Emergency Response:** Response by personnel as an emergency responder to a project or facility event, and post-response activities. Coordination of all labor charges for assigned work scope associated with the classified emergency event will be provided through the cognizant project manager.

**DOE Information Requests:** Provide responses to DOE requests for information that impact Quality, Safety, and Health programmatic scope, and programmatic support for DOE and other off project surveillances that are not a part of the scheduled/planned surveillances of DOE RL and/or other site contractors.

**Baseline Management and Change Control:** Provide Safety and Health input to the baseline estimate (technical scope, cost estimate and schedule) to maintain current budget for the defined scope of work. This primarily consists of preparation and input for Baseline Change Proposals.

**Detailed Work Plan:** Provide input for preparation of detailed work plans, including estimating and preparation of work plan cost charts, staffing levels, and schedules. This includes reviews of the work plan with management and RL, and incorporation of changes recommended during reviews.

**Project Staff Reports, Review, Presentations:** Project and staff presentations and input to monthly reports, including the Monthly Progress Report, Monthly Project Review and Presentation, Mid-Year and Year-End Reviews.

**Administrative Support:** General administrative, secretarial and clerical support services to managerial, scientific, engineering, and professional staff throughout the organization.

**Management Assessment and Support:** Safety and Health staff conducting internal self-assessments of safety programs, policies, and procedures other than those benefiting a single ERC Project.

**TASKS TO BE PERFORMED IN FY 2001:**

Same activities as listed in work description above.

**TASKS TO BE PERFORMED IN FY 2002:**

Same as FY01.

**TASKS TO BE PERFORMED IN FY 2003:**

Same as FY01.

**SAFETY & HEALTH/ASSESSMENT**

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**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• DOE Annual Summary of Property Damage Report due to RL	02/01/01
• Facility Deactivation Analyses	Ongoing
• Fire Protection Assessments	Ongoing
• Industrial Hygiene program policies and technical guidance documents defining and prescribing the program and methods for its implementation	Ongoing
• Correspondence resolving Technical IH issues to projects, THI IH Group and Site Safety Representatives	Ongoing
• Performance evaluations of THI IH Group	Bi-monthly
• Reports to ERC management and external organizations	Ongoing
• Reports recommending work station ergonomic improvements	Ongoing
• ERC Noise Exposure Baseline	08/01/01
• Review Work Packages	Ongoing
• Reports for overview of program implementation	Ongoing
• Reports, recommendations and revisions in the ERC HAZWOPER program	Ongoing
• Review, and validate by attendance where necessary, any significant changes in the HAZWOPER training programs offered at HAMMER	Ongoing
• Develop and/or modify subcontracts for HAZWOPER and IS related training services.	As required
• Develop, revise, review, resolve comments, approve, and issue IS procedures and forms	As required
• Updates for management, staff and field operations on current and/or pending regulations and requirements	As required
• Reports on site committees agendas and recommendations	As required
• Annual update of the ISMSD	Annually
• ERC documents in compliance with ISMSD	Ongoing

**SAFETY & HEALTH/ASSESSMENT**

**EA4202**

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<b>Deliverables</b>	<b>Date</b>
• Point of contact for the ISMS program	Continuous
• BHI ISMS module for HGET	08/31/01
• Awareness/motivation information to employees	Ongoing
• Quarterly assessment/surveillance reports	Quarterly
• Surveillance reports	As scheduled
• Recommended actions for implementation of the CMS	Ongoing
• Reports to Management on CMS effectiveness	Semi-Annual
• Occurrence/Accident Reports	As needed
• Critique Reports	As needed
• Root Cause Analysis Reports	As needed
• Lessons Learned development and distribution	As needed
• Occurrence Report trending charts and reports	As needed
• Security Bulletins	Quarterly
• Security Event Reports	As required
• Security Infraction Reports	As required
• Procedures relating to the Security program	As required/Ongoing
• EP Drill Schedule	Annually
• Revision of Emergency Readiness Assurance Plan	Annually
• Revision of Hanford Emergency Management Plan	Annually
• EP Quarterly Program Review Presentation	Quarterly
• Revision of EP program plans and policies	As required
• Surveillance Reports	As scheduled
• EP Brief	Monthly

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### SAFETY & HEALTH/ASSESSMENT

EA4202

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Deliverables	Date
<ul style="list-style-type: none"><li>Review and revise BHI managed facility Emergency Preparedness Hazards Assessments:<ul style="list-style-type: none"><li>1 New Development</li><li>10 Revisions</li></ul></li></ul>	As scheduled
<ul style="list-style-type: none"><li>The deliverables in this area are to provide the DOE approved surveillance personnel with information and support materials to perform the surveillance.</li></ul>	As requested
<ul style="list-style-type: none"><li>Prepare and submit documents and perform corrective actions to correct deficiencies, if found. Submit associated reports of actions taken to correct problems, if problems are identified.</li></ul>	As requested
<ul style="list-style-type: none"><li>Written justification for increased costs</li></ul>	As required
<ul style="list-style-type: none"><li>Comprehensive identification of work scope changes</li></ul>	As required
<ul style="list-style-type: none"><li>Input to FY 02-04 DWP</li></ul>	9/30/01
<ul style="list-style-type: none"><li>Monthly report input</li></ul>	Monthly
<ul style="list-style-type: none"><li>Project review input</li></ul>	Monthly
<ul style="list-style-type: none"><li>Input for mid- and year-end reviews</li></ul>	Semi-Annually
<ul style="list-style-type: none"><li>New and revised procedures and forms.</li></ul>	Ongoing
<ul style="list-style-type: none"><li>Issuance of final "Safely Speaking" bulletins</li></ul>	Weekly
<ul style="list-style-type: none"><li>Self-assessment schedule</li></ul>	As scheduled
<ul style="list-style-type: none"><li>Self-assessment reports</li></ul>	As scheduled

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Contractual requirements that have been moved from this cost account to "Supplemental Funding" for FY01 will either be funded by BCP, or will be deleted through a contract change.

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**SAFETY & HEALTH/ASSESSMENT**

**EA4202**

1.4.10.1.3.10.01.01.04.32.02

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**Safety and Hygiene Program Management**

- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.
- There will be no re-allocation of staff due to site or external incidents (e.g., the 1997 PRF incident) that require more than 25 hours of staff time to respond to.
- No allowance is made for craft "bumping or lamping" and associated potential productivity loss or additional training requirements.

**Fire Protection**

- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.
- There are no external assessments that will require more than 25 hours of staff time.
- Participation in DOE site task teams or working groups will require no more than 25 hours of staff time.

**Industrial Hygiene Program**

- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.
- No external assessments occur which require more than 25 hours of staff time.
- There will be no significant participation in DOE site task teams or working groups that require more than 25 hours of staff time.
- No employee health concerns requiring more than 25 hours of staff time.
- No ERC or subcontractor laser system operations requiring more than 20 hours of staff support.
- No more that one IH technician will leave or be replaced by an untrained person.
- There will be no new DOE directives or site initiatives on beryllium.
- BHI will maintain current MSA equipment and vendor supplies during this fiscal year. Note: There is a possibility the Hanford Site will be change vendors for respiratory equipment.

**Industrial Safety Program**

- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 50 hours of staff time.
- No external assessments occur which require more than 25 hours of staff time.

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**SAFETY & HEALTH/ASSESSMENT**

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- There will be no significant participation in DOE site task teams or working groups that require more than 150 hours of staff time.
- No employee safety concerns requiring more than 50 hours of staff time.
- No additional facilities accepted in FY01 requiring IS staff support.

**Maintaining An Approved Integrated Safety Management System**

- DOE-AMEW directions to ERC regarding structure/content of ISMSD will not change significantly.
- ISMS policy/guidelines/handbook (DOE 450.4) will not change significantly.

**Chemical Management System Oversight and Implementation**

- Quarterly chemical inventories and annual site walk downs will be adequate to comply with CMS program requirements.
- The volume of excess chemicals for disposition will be increased over previous years due to exerted effort to identify these in FY99.
- DOE does not dictate use of a site-wide chemical tracking system.
- DOE does not require chemical tracking system to include waste or radiological hazards.
- DOE/Ecology/EPA does not levy additional CMS requirements beyond the four presidents letter (CCN 053734) as a result of the PRF-related violations/pending litigation.
- A functional excess chemical disposition program will be in place.
- Funding for excess program includes establishment of the CMS program at ERC level – Projects/Functions/Warehouse will request funding for implementation of program requirements.

**Occurrence Reporting/Lessons Learned/Critiques/Root Cause Analysis**

- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.
- There are no external assessments that will require more than 25 hours of staff time.
- Participation in DOE site task teams or working groups will require no more than 25 hours of staff time.
- There will be no re-allocation of staff due to site or external incidents (e.g., the 1997 PRF incident) that require more than 25 hours of staff time to respond to.

**Safeguard and Security**

- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.

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**SAFETY & HEALTH/ASSESSMENT**

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- Participation in DOE site task teams or working groups will require no more than 45 hours of staff time.
- There will be no re-allocation of staff due to site or external incidents (e.g., the 1997 PRF incident) that will require more than 25 hours of staff time.

**Emergency Preparedness**

- Contractual requirements that have been moved from this account to "Supplemental Funding" for FY01 will either be funded by BCP or will be deleted through a contract change.
- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.
- There are no external assessments that will require more than 25 hours of staff time.
- Participation in unplanned DOE site task teams or working groups (e.g., 1997 PRF, and EPA visits) will require no more than 25 hours of staff time.
- There will be no re-allocation of staff due to site or external incidents (e.g., the 1997 PRF incident) that will require more than 25 hours of staff time.

**Emergency Preparedness Hazards Assessment**

- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.
- There are no external assessments that will require more than 25 hours of staff time.
- There will be no re-allocation of staff due to site or external incidents (e.g., the 1997 PRF incident) that will require more than 25 hours of staff time.

**Site Wide Emergency Response**

- The ERC will not budget for any emergency events. This COA is in place to capture costs in the event of an emergency.

**DOE Information Requests**

- Support to provide information for unscheduled/unsolicited/unplanned visits from regulatory and public agencies, or perform or assist with surveillances (etc.) will not require more than 50 hours.
- Support to provide information requested by RL/AMEW/PAD/HQ (etc.) or perform or assist with surveillances (etc.) that is not included in regular scope of work, will not require more than 100 hours.

**Baseline Management and Change Control**

- Support for Baseline Change Proposals will not require more than 75 hours of S&H staff time.

**SAFETY & HEALTH/ASSESSMENT**

**EA4202**

1.4.10.1.3.10.01.01.04.32.02

**Detailed Work Plan**

- Preparation, input, and review of DWPs will not require more than 150 QS&H staff hours.

**Project Reviews, Presentations and Reports**

- Preparation of input for monthly reports, project reviews, and mid- and year-end reviews will not require more than 50 QS&H staff hours.

**Administrative Support**

- No more than 1,600 hours will be utilized in supporting administrative activities described above.

**Management Assessment and Support**

- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.
- There are no external assessments that will require more than 25 hours of staff time.
- Participation in unplanned DOE site task teams or working groups (e.g., 1997 PRF, and EPA visits) will require no more than 25 hours of staff time.
- There will be no re-allocation of staff due to site or external incidents (e.g., the 1997 PRF incident) that will require more than 25 hours of staff time.

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Training/Travel	01	Aviation Safety Training
Training/Travel	02	Aviation Safety Training
Training/Travel	03	Aviation Safety Training
Promotional paraphernalia. Assumptions; \$10, 000	01	ISMS program advertising/promotion
ERC Security Awareness Awards	01	\$2,000
ERC Security Awareness Awards	02	\$2,000
ERC Security Awareness Awards	03	\$2,000



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## Subproject Strategy

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### COMPLIANCE & QUALITY PROGRAMS

EA4203

1.4.10.1.3.10.01.01.04.32.03

## COST ACCOUNT PLAN

### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): R. H. Wyer  
DOE-RL: J. M. Nelson  
Project Engineer: G. E. Bentley  
Field Support: N/A  
QS&H: R. H. Wyer  
Project Controls: G. L. Black  
PSS Rep: N/A  
Other: N/A

### WORK DESCRIPTION (Provide general work description of facility/building.)

#### General Description:

Conduct assessments, audits, and surveillances to ensure that performance of work under the ERC contract is conducted (1) in a manner that is protective of the environment, the health and safety of employees and the public; and (2) in compliance with all applicable quality, environmental, safety, and health requirements (i.e., Integrated Safety Management Systems (ISMS), Conduct of Operations, Code of Federal Regulations 10CFR830.120, DOE Orders, Tri-Party Agreement).

Coordinate and oversee the ERC-wide program for the PAAA, including identification, tracking, trending, corrective action, and reporting PAAA violations. Conduct interpretive authority activities for 10CFR830.120 PAAA potential noncompliances.

Develop, maintain, and oversee implementation of the Quality Assurance Program to verify compliance with regulatory and contractual requirements. Review ERC procedures, plans, and procurement documents for conformance to Quality Program requirements. Revise and update BHI-QA-01, Quality Program Manual. Coordinate the review and update of BHI MA-02, Project Procedures, Section 2.0 Quality, Safety and Health (QSH) and designated procedures in BHI-MA-01, Policies, Organization, and Responsibilities Manual.

Implementation of the ERC Environmental Program is a contractual commitment that will continue through contract completion. Environmental compliance personnel are responsible for ensuring that the ERC maintains compliance with applicable requirements through oversight activities. In addition, document and procedural reviews, regulatory inspections and follow-ups, support of PAAA issues, quarterly reports, single point of contact for regulator issues, and special requests for environmental support make up the duties and responsibilities of the environmental staff.

Administer the ERC Corrective Action Tracking (ERC-CATS) and Trending Program.

Perform Root Cause Analysis activities, as required.

Manage the general activities of Compliance and Quality Programs.

Provide general administrative, secretarial, and clerical support to the Compliance and Quality Programs.

**COMPLIANCE & QUALITY PROGRAMS**

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Prepare the Detailed Work Plan for Compliance and Quality Programs, and provide input to other functions, projects/subprojects.

**TASKS TO BE PERFORMED IN FY 2001:**

- Update and revise the Quality Program Manual.
- Perform assessments, surveillances, and laboratory and vendor audits (60 combined).
- Develop and issue a Quarterly ERC-CATS Report to RL.

**TASKS TO BE PERFORMED IN FY 2002:**

Same as FY01.

**TASKS TO BE PERFORMED IN FY 2003:**

Same as FY01.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• BHI-QA-01, <i>Quality Program Manual</i> review and update	06/30/01
• ERC Corrective Action Tracking System (ERC-CATS) Report	Quarterly
• Perform 60 assessments, surveillances, and laboratory and vendor audits	Periodically through FY01
• CQP FY02 Detailed Work Plan	

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- The number of inspections by the Washington State Department of Ecology and the Washington Department of Health in FY01 will not increase over the number of inspections performed in FY00.
- The number of oversight assessments by RL, HQ, and the DNFSB will not increase more than 10% over those performed in FY00.
- The ISMS activities will not increase the work scope that is planned in the FY01 DWP.
- Non-CQP activities (i.e., Operational Readiness Reviews [ORR], Readiness Assessments [RA], ERC Projects, and Bechtel Corporate activities away from Hanford) will not exceed 1,450 hours, and will be funded through non-CQP COAs.
- Compliance and Quality Programs managers devote approximately 10% of their time directly to managing the department.

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### **COMPLIANCE & QUALITY PROGRAMS**

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**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

<b>Description</b>	<b>FY</b>	<b>Scope</b>
Travel	01	Laboratory Audits (5 audits planned)
Travel	02	Laboratory Audits (5 audits planned)
Travel	03	Laboratory Audits (5 audits planned)

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RADIOLOGICAL CONTROL PROGRAM

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### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. E. Tarpinian  
DOE-RL: J. M. Nelson  
Project Engineer: D. E. Gergely  
Field Support: N/A  
QS&H: J. E. Tarpinian  
Project Controls: G. L. Black  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

**Radiological Performance Standards (Comprehensive Measures Report):** Provide programmatic guidance for the Radiological Performance Metrics Program, and preparation of related reports. This program is required by the DOE AMEW.

**Radiological Operations:** Provide programmatic guidance, procedures, and technical support for the Radiological Control operations function of the ERC. This program provides for oversight and assessment of field implementation of the RadCon program within ERC projects. Provide management, guidance and administrative support to the Radiological Field Engineering Staff for design reviews, ALARA reviews and reports, engineering controls (including containments), shielding, pre-, in progress- and post-job reviews, policy, and procedures, which are not specific to a single project. In addition, provide management and direction to the Radiological Engineers for development and review of demand work requests, RWPs, and other technical work documents related to the performance of radiological work. Develop and distribute lessons learned to the RadCon staff.

**Radiological Compliance and Support (Environmental):** Provide BHI Management for the radiological instrumentation and measurements programs, including the Radiological Counting Facility (RCF). Provide program management and guidance for the radiological control aspects of environmental safety (e.g., DOE Order 5400.5). Provide an interface with the BHI Environmental program, including criteria for the use of HEPA filtered ventilation and vacuum systems and environmental measurements. Provide guidance for the release of materials and equipment from radiologically controlled areas. Provide an interface with the ERC planning groups on the performance of radiological measurements and site characterization not attributable to a specific project. Provide site characterization and monitoring and monitoring instrumentation to meet the regulatory basis and procedural controls for personnel working in radiation areas at the ERC projects.

**Radiological Compliance and Support (Program):** Provide technical and programmatic support for development, maintenance, and implementation of the ERC Radiation Protection Program (RPP) for compliance with 10 CFR 835 and other applicable DOE requirements. Develop and promote radiological good practices, program quality standards, and technical health physics elements, procedures and policies, radiation safety training, and internal and external radiation exposure monitoring. Perform self-assessment program to assess programmatic compliance with 10 CFR 835.

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**Radiological Control Program Management and Technical Support:** Provide programmatic Management and guidance, policy and procedures, and technical support for the ERC Radiological Control Program. Represent BHI RadCon on issues related to Hanford Site contractors, and interface with other state and federal regulatory agencies, and as the primary interface with DOE.

**DOE Information Requests:** Provide responses to DOE requests for information that impact the Radiological Control programmatic scope, and programmatic support for DOE and other off project surveillances that are not a part of the scheduled/planned surveillances of DOE RL and/or other site contractors.

**Baseline Mgmt and Change Control:** Provide Radiological Control input to the baseline estimate (technical scope, cost estimate and schedule) to maintain the current budget for the defined scope of work. This primarily consists of preparation and input for Baseline Change Proposals.

**Detailed Work Plan:** Provide input for preparation of detailed work plans, including estimating and preparation of work plan cost charts, staffing levels, and schedules. This includes review of the work plan with management and RL; incorporation of changes recommended during reviews.

**Project Staff Reports, Review, Presentations:** Provide Project and staff presentations and input to monthly reports including the Monthly Progress Report, Monthly Project Review and Presentation, Mid-Year and Year End Reviews.

**TASKS TO BE PERFORMED IN FY 2001:**

Same activities as listed in work description above.

**TASKS TO BE PERFORMED IN FY 2002:**

Same as FY01.

**TASKS TO BE PERFORMED IN FY 2003:**

Same as FY01.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• Submit "Radiological Control and As Low AS Reasonably Achievable (ALARA) Comprehensive Measures Monthly Status Reports, by the end of the following month, to the DOE AMEW. Reports provide information and explanations of the ERC RadCon program performance against the set of comprehensive measures	Monthly
• ALARA charts	Annually/Quarterly
• Input to develop and prepare SARs, SERs, USQs, ORRs, REs, and As needed RAs that are not project specific	As needed

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Deliverables	Date
• Input to the monthly reports	Monthly
• Data on a monthly basis to determine performance against the Radiological Control Comprehensive Measures report	Monthly
• Provide support to RadCon assessment program for internal or external assessment and surveillance activities	As needed
• Reports to provide criteria for release of radioactive materials, equipment, or vehicles from radiological control	As needed
• Calibration records	Monthly
• Prepare technical basis documents for new equipment	As needed
• Reports on the basis for environmental release through HEPA or vacuum filtration systems	As requested
• Radiological Control Program policies and a technical guidance document, defining and prescribing the program and methods for its implementation.	Ongoing
• Self-assessment reports on a quarterly basis for 10 CFR 835 assessments	Quarterly
• Status of actions based on assessments performed on THI	Monthly
• PAAA evaluation status report	Ongoing
• IER status report	Ongoing
• New and revised radiological procedures and work instructions; revision notifications status reports	As needed/periodic
• Updated ERC Radiological Worker Refresher training material	Annually or as needed
• Bioassay compliance reports, personnel exposure database maintenance, and reports	Monthly/Quarterly
• Notifications and reports to personnel for dosimetry and bioassay schedules, results, and restrictions	As needed
• Reports of program element evaluations, proposed changes and program status	Periodic
• Documentation of personnel dose extensions (ACL) and rationale for extensions	As needed
• Technical Equivalency Determinations (TED) for ERC RadCon activities	As needed

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<b>Deliverables</b>	<b>Date</b>
• Interpretive Guidance Documents (IGDs) for ERC RadCon activities are issued upon completion	As needed
• Report on Technical Equivalency Determinations (TEDs) to the HSRCF	Monthly
• Provide report to DOE on TED status	Annually
• RadCon reports to RL-AMEW and RL-QS&H	Monthly
• Subcontractor status report for identified deliverables against budget	Monthly
• Provide evaluations of subcontractor performance	Six times per year
• Reports to BHI Management on the health and effectiveness of the RadCon program	Quarterly
• Subcontractor status report for identified deliverables against budget	Monthly
• Provide input for the Hanford Site RadCon program that reflects and reinforces ERC RadCon philosophy and good radiological protection practice	As Required
• The deliverables in this area are to provide the DOE approved surveillance personnel with information and support materials to perform the surveillance	As Requested
• Prepare and submit documents and perform corrective actions to correct deficiencies, if found. Submit associated reports of actions taken to correct problems, if problems are identified	As Requested
• Written justification for increased costs	As Required
• Comprehensive identification of work scope changes	As Required
• Input to FY 02-04 DWP	09/30/01
• Monthly report input	Monthly
• Project review input	Monthly
• Input for mid- and year-end reviews	Semi-Annual

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**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Contractual requirements that have been moved from this cost account to "Supplemental Funding" for FY01 will either be funded by BCP or will be deleted by a contract change.

**Radiological Performance Standards (Comprehensive Measures Report)**

- The proposed budget input of 0.24 FTE or 36 hours per month is sufficient provided that the product level indicated in the task section (above) will remain at a constant level, and that no major perturbations to the RadCon comprehensive measures reporting program occur.
- Assumes that no person hours will be expended on addressing report changes or changes due to increased ISMS activities.
- No more than 40 hours for recording, tracking, or trending during a month for performance goals, indicators, and reports.
- Radiological Control Comprehensive Measures report will be prepared based on reporting criteria negotiated prior to starting FY01.
- There will be no changes to DOE or other applicable ERC guidance that significantly (more than 40 hours) increase costs for this scope.
- Fee plan support and reporting will require the same level of effort in FY01, 02, and 03 as that required in FY00.

**Radiological Operations**

- ERC-specific ALARA training for general employees, as provided by FH in RadWorker II training, will continue to meet regulations for ALARA training.
- ALARA Program
  - Four scheduled senior ALARA meetings during the year. This budget will provide scope for routine meetings. The total number of attendees at a senior ALARA committee shall not exceed twenty, and the maximum hours charged to this COA per meeting by Senior ALARA Committee will be no more than two hours each.
  - COAs for special senior ALARA committee meetings called to support a project shall be provided by the applicable project.
  - No additional changes to the ALARA Program from changes to regulatory or contractual drivers other than those budgeted.
  - Staff will spend no more than 20 hours per quarter at the FH ALARA Center.



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- Management Oversight
  - BHI oversight of THI will not exceed 20 hours per month, or a total of 240 hours for the year.
  - COAs for project functional reviews will be provided by the applicable project.
- Support to RAs/REs/ORRs
  - COAs to support an RAs/REs/ORRs shall be provided by the applicable project.
  - No more than 40 hours will be needed to revise SARs and SERs for non project specific projects.
- Reviews, evaluations and dissemination of lessons learned and industry events reviews will not exceed 160 hours.
- General Assumptions
  - There will be no more than one non-BHI assessment of the RadCon operations program, and the level of effort required to support that assessment will not exceed 100 hours of BHI RadCon time.
- No more than 40 hours will be expended on addressing ISMS activities.
- One person to travel to and attend NEI Decommissioning Planning and Technology Forum.
- The Rad Material control will not require any additional radiological surveys.
- The posting in inaccessible areas will be updated as the buildings and areas are entered for work activities during FY01 and posting costs will be minimal.

**Radiological Compliance and Support (Environmental)**

- The impact of the approval of the existing draft of 10 CFR 834, if it occurs, will have to be assessed.
- No technical subcontracts are included in the estimate for changes, due to the approval of 10 CFR 834 or 10 CFR 835.
- The current technical staffing level is sufficient if the demand for radiological instrumentation, characterization support, environmental interface, and sample analysis needs are not dramatically increased from FY00 levels by some unforeseen problems or findings.
- Changes to release requirements as a result of DOE Headquarters initiative will not require changes to instruments or methodology.
- Participation in local and national instrument committees (e.g., HPIC, vendor seminars/training) will require no more than 160 hours and no more than \$6000 in travel expenses.
- The ERC will have no radiation generating devices to control.
- No disposal of any radioactive sources is covered by this budget.

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- The level of effort required to support the development of procedures related to this scope will not exceed 520 hours.
- Training development for Radiological Field Screening procedures (for other than RCTs and Rad Supervisors) will require no more than 40 hours.
- Implementation of MARSSIM at the program level will require no more than 80 hours, exclusive of procedure development.
- No more than six environmental survey and release TBDs need to be generated or modified.
- No more than 40 hours will be expended on addressing ISMS activities (for this area of RadCon).
- There will be no change to the current allowance for the release of surface contaminated equipment and material.

**Radiological Compliance and Support (Program)**

- Assume the approved RPP and the RPPM cover all contractually mandated radiological control requirements.
- Assume DOE agrees with ERC interpretation and no additional work (posting) is required for control of RCAs.
- 10 CFR 835:
  - Assume that Rad Material control will not require any additional radiological surveys.
  - To satisfy the requirements in 10 CFR 835.103 regarding radiological assessors, it is assumed that only personnel that have the required technical health physics knowledge and experience to demonstrate compliance with the portion of the "standard DOE training for radiological assessors" will be assigned as radiological assessors. Thus, only the "regulatory" portion of the standard DOE training will be updated and provided to assessors.
- RPP Maintenance and Implementation
  - No additional training is required for line management for 10 CFR 835.103 requirements (i.e., GERT, RW I and II are sufficient).
  - No changes to the RPP from guidance documents (e.g., HSRM) revision.
- At least one person will attend each EFCOG meetings for PAAA.

Issues Evaluation Request (IER) Program:

- No more than five IERs will be dispositioned during a month.
- There will be no more than two corrective actions from IERs during a month.

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PAAA Compliance Determinations: (Not directly charged to specific projects during the year)

- There will be no more than 45 compliance determination reports (CDRs) during the year, or greater than 538 hours.
- Critiques, root cause analyses and PAAA evaluation needs not attributable to a specific project will be limited to 140 hours.

Radiological Self-Assessments

- Perform no more than four programmatic assessments during the year to meet 10 CFR 835.102.
- Perform no more than 12 management implementation assessments during the year.
- No more than three corrective actions will results from these assessments.
- No more than six follow up assessments for corrective action effectiveness.
- Operation and maintenance of the Radiological Control technical reference library will require no more than 0.05 FTE.
- Radiological Control procedures will continue to undergo periodic review on the current two-year cycle.
- No more than 40 hours will be expended on addressing ISMS activities.
- No major new deliverables will be directed by the DOE Contract Officer for ERC that are not specifically funded by DOE.
- Minor changes to the bridging document to disposition "should" statements from the RPPM, not to exceed \$5,000 for subcontractor support.
- Minor changes to the ID-PAAA Program will not exceed \$5,000 for subcontractor support.
- There will be no more than one non-BHI assessment of the RadCon program, and the level of effort required to support that assessment will not to exceed 100 hours of BHI RadCon time.
- There will be no more than four Interpretative Guidance Documents (IGDs) issued during the year.
- There will be no more than four Technical Bases Documents (TBDs) issued or modified during the year.
- There will be no more than 40 hours to develop requests for 10 CFR 835 exemptions.

Radiological Self-Assessments

- There will be no more than six follow up assessments for corrective action effectiveness.

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- There will be no more than 160 hours for support from other technical staff outside Rad Ops for 10 CFR 835.102 audits, and no more than 100 hours from outside staff for follow up assessments.
- The development of the Environmental RadCon Program under 10 CFR 834 and other associated drivers will not change the "Occupational Radiation Protection Program" under 10 CFR 835.

**Radiological Control Program Management and Technical Support**

- The product level indicated in the Task Section above will remain at a constant level, and no major perturbation to the RadCon program occur.
- There are no new/additional DOE reporting requirements, orders, regulatory or other drivers that require more than 25 hours of staff time.
- Hanford Forums
  - No changes to the RadCon Program as a result of Hanford Forums (i.e., HRCF, HPDAC).
  - Participate in 15 meetings of 3 hours each with the HRCF forum.
  - Provide and review technical documents and prepare information for HRCF issues at 75 hours per year.
  - Participate in 12 meetings of 3 hours each with the HPDAC forum, and no more than 80 hours including material development for meetings.
- Technical contracts are not needed on a set time; they also cannot be predicted for all of the issue that may arise during the year. The current projection is our best estimate.
- Other subcontract oversight will not exceed 10 hours per month or a total of 120 hours for the year.
- Keep existing subcontractors – no additional subcontractors are estimated.
- Technical contracts are not needed on a set time; they also cannot be predicted for all of the issue that may arise during the year. The current projection is our best estimate.
- Commitment Action Tracking
  - No more than 15 hours a month to maintain tracking system.

**DOE Information Requests**

- Support to provide information for unscheduled/unsolicited/unplanned visits from regulatory and public agencies, or perform or assist with surveillances (etc.) will not require more than 25 hours.
- Support to provide information requested by RL/AMEW/PAD/HQ, etc., or perform or assist with surveillances (etc.) that is not included in regular scope of work, will not require more than 25 hours.

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**Baseline Management and Change Control**

- Support for Baseline Change Proposals will not require more than 50 hours of RadCon staff time.

**Detailed Work Plan**

- Preparation, input, and review of DWPs will not require more than 150 RadCon staff hours.

**Project Reviews, Presentations and Reports**

- Preparation of input for monthly reports, project reviews, and mid- and year-end reviews will not require more than 50 RadCon staff hours.

Subcontract	FY	Type of Contract	Scope
Perform selected RadCon technical tasks	01	Fixed	Perform technical HP tasks to address regulatory and other issues
Perform selected RadCon technical tasks	02	Fixed	Perform technical HP tasks to address regulatory and other issues
Perform selected RadCon technical tasks	03	Fixed	Perform technical HP tasks to address regulatory and other issues
Technical assessments, & improvements internal to RadCon	01	Fixed	Contractor to perform assessments/mentoring and program improvements
Technical assessments, & improvements internal to RadCon	02	Fixed	Contractor to perform assessments/mentoring and program improvements
Technical assessments, & improvements internal to RadCon	03	Fixed	Contractor to perform assessments/mentoring and program improvements

**WORK ORDERS** (i.e., work to be performed by FDH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
Fluor Hanford, Inc	01	Provide personnel decontamination services and provide decontamination stations
Fluor Hanford, Inc	02	Provide personnel decontamination services and provide decontamination stations
Fluor Hanford, Inc	03	Provide personnel decontamination services and provide decontamination stations

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**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

<b>Description</b>	<b>FY</b>	<b>Scope</b>
Travel/Training	01	Professional Development
Travel/Training	02	Professional Development
Travel/Training	03	Professional Development
Mileage	01	RadCon staff personal vehicle use for on site travel
Mileage	02	RadCon staff personal vehicle use for on site travel
Mileage	03	RadCon staff personal vehicle use for on site travel

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## DESCRIPTION

### OBJECTIVE

DOE has been assigned cleanup responsibilities for sites contaminated during 50 years of plutonium production, fuel fabrication, and fuel processing at the 100, 200, and 300 Areas of the Hanford Site. The primary mission of the RL PM&S is to:

- Provide regulatory oversight of the ER Project
- Conduct assessments and special studies in support of the ER Project
- Administer RL contracts and interagency agreements in support of the ER Project.

### TECHNICAL CONTENT

Work scope that is outside the breadth of the ERC is directed and funded through RL PM&S. RL PM&S includes, but is not limited to, the following:

- The ER Project's share of Site-Wide Services provided by FH (e.g., 600 Area landlord, site road maintenance, Joint Information Center, fire department support, safeguards and security, emergency preparedness, property systems). Also includes FH radiological monitoring support to laundering of protective clothing and equipment used by the ER Project.
- Laundering of the ER Project's protective clothing and equipment by INS.
- Electricity provided by the Bonneville Power Administration (BPA).
- The ER Project's share of Service Assessment Pool activities (e.g., Hanford Energy Management Program, court reporter fees, Command Information Center costs).
- The ER Project's use of the PNNL technical library and reading room.
- The ER Project's share of Benton County Sheriff's Office policing of the Hanford Site.
- Natural Resource Damage Assessment (NRDA) studies and ecosystems management.
- Miscellaneous ER Project support activities.
- Regulatory oversight by Ecology.

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## **WORK STATEMENT**

The RL PM&S baseline has been divided into 9 key components that are called functional work scope areas. These functional areas are as follows:

1. Miscellaneous RL contracts and interagency agreements for non-project-specific activities.
2. The ER Project's share of site-wide services provided by FH (e.g., 600 Area landlord, site road maintenance, Joint Information Center, fire department support, safeguards and security, emergency preparedness, property systems). Also includes FH radiological monitoring support to laundering of protective clothing and equipment used by the ER Project.
3. Laundering of the ER Project's protective clothing and equipment by INS.
4. Electricity provided by the BPA.
5. The ER Project's share of Service Assessment Pool activities (e.g., Hanford Energy Management Program, court reporter fees, Command Information Center costs).
6. The ER Project's use of the PNNL technical library and reading room.
7. Benton County Sheriff's Office policing of the Hanford Site.
8. NRDA studies and ecosystems management.
9. Regulatory oversight by Ecology.

### **ER Project Support Activities**

This functional area contains miscellaneous RL contracts and interagency agreements for non-project-specific activities. It includes, but is not limited to, the following:

- The ER Project's access to the legal database LEXIS/NEXIS.
- Direct support of the U.S. Army Corps of Engineers to the RL Office of Environmental Restoration. This support includes:
  - Providing information management systems guidance and oversight
  - Providing a Hanford Site information management systems interface
  - Providing oversight of various site data systems sources
  - Resolving Tri-Party Agreement data management systems issues
  - Researching information and data management systems issues and technologies.
- Small miscellaneous ER Project support activities.
- Independent ER Project validations.



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### **Site-Wide Services and Radiological Monitoring Support to INS Laundry**

The services in this functional area are provided by FH. Services include site-wide support (safeguards and security, fire department, road maintenance, Joint Information Center, property systems, and procurement systems), as well as radiological monitoring involved in the laundering of the ER Project's protective clothing and equipment through INS.

### **Laundering of ER Project's Protective Clothing and Equipment**

Protective clothing and equipment laundering services are provided to the ER Project by INS, and the contract is administered through RL.

### **BPA Electrical Support to the ER Project**

Electricity is provided to the Hanford Site by the BPA, and administered through RL.

### **Service Assessment Pool**

These services, which are separate and distinct from site-wide services and are managed by RL, include such things as the Hanford Energy Management Program, court reporter fees, Command Information Center costs (etc.).

### **PNNL Technical Library/Reading Room**

The ER Project is charged for use of these facilities and materials.

### **Benton County Sheriff's Office**

The Benton County Sheriff provides policing services to the Hanford Site. This contract is administered by RL.

### **Natural Resource Damage Assessment Studies and Ecosystems Management**

This functional area covers aquatic studies being performed for RL with the assistance of the U.S. Fish and Wildlife Services and PNNL. The area also supports an Ecological Careers Organization (ECO) Associate who provides support to Hanford's Natural Resource Trustee Council and supports RL's ecosystem management policies.

### **Compliance Oversight**

Compliance oversight is handled through a grant with Ecology and involves the following:

- Performing technical reviews of documents
- Observing RL's investigative work
- Reviewing documentation resulting from investigations
- Examining toxicological assessments and ecological and qualitative risk assessments
- Conducting ecological studies (scope, sample, document review)
- Co-reviewing proposed plans
- Confirming adherence to cleanup standards

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- Evaluating Columbia River data
- Examining applications for new technology.

### **ASSUMPTIONS**

None.

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**Prepared By:** Jeanne M. Nelson

**Date:** \_\_\_\_\_

**ERC Project Manager:** N/A

**Date:** \_\_\_\_\_

**DOE Project Manager:** Jeanne M. Nelson

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## Subproject Strategy

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### Program Management and Support CODE OF ACCOUNT STRUCTURE CHART

1.4.10.1.3.10 ER10 - RL (RL) Environmental Restoration Program Management and Support  
1.4.10.1.3.10.02 RL Program Management and Support

1.4.10.1.3.10.02.02 EL Program Management and Support - RL

1.4.10.1.3.10.02.02.02 EL2 Program Management - RL

1.4.10.1.3.10.02.02.02.32 EL22 Program Management - Remediation

1.4.10.1.3.10.02.02.02.32.01 EL2201 Compliance Oversight

MEL221

MEL221570R Compliance Oversight

1.4.10.1.3.10.02.02.02.32.02 EL2202 Environmental Restoration Project Support Activiti

MEL222

MEL222Y13R Environmental Restoration Project Support Activities

1.4.10.1.3.10.02.02.02.32.03 EL2203 Site-Wide Services/Radiological Monitoring Suppo

MEL223

MEL223Y13R Site-Wide Services/Radiological Monitoring Support - INS Laundry

1.4.10.1.3.10.02.02.02.32.04 EL2204 Laundry Support to Environmental Restoration Pro

MEL224

MEL224Y13R Laundry Support to Environmental Restoration Project

1.4.10.1.3.10.02.02.02.32.05 EL2205 Electrical Support to Environmental Restoration Pr

MEL225

MEL225Y13R Electrical Support to Environmental Restoration Project

1.4.10.1.3.10.02.02.02.32.06 EL2206 Service Assessment Pool

MEL226

MEL226Y13R Service Assessment Pool

1.4.10.1.3.10.02.02.02.32.08 EL2208 PNNL Technical Library/Reading Room

MEL228

MEL228Y13R PNNL Technical Library/Reading Room

1.4.10.1.3.10.02.02.02.32.09 EL2209 Benton County Sheriff's Office

MEL229

MEL229Y13R Benton County Sheriff's Office

1.4.10.1.3.10.02.02.02.32.10 EL2210 Natural Resource Damage Assessment Studies/Ec

MEL22A

MEL22AY13R Natural Resource Damage Assessment Studies/Ecosystems Management

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10

## Subproject Strategy

**TITLE:** (RL) Environmental Restoration Program Management and Support

October 1, 2000

### WORK BREAKDOWN STRUCTURE INDEX

PBS	Indenture Level							Title	HQ/ERC WBS #	B&R #
	5	6	7	8	9	10	11			
RL-ER10			X					RL Program Management and Support	1.4.10.1.3.10.02	EW02J1090
RL-ER10				X				Program Management and Support - RL	1.4.10.1.3.10.02.02	EW02J1090
RL-ER10					X			Program Management - RL	1.4.10.1.3.10.02.02.02	EW02J1090
RL-ER10						X		Program Management - Remediation	1.4.10.1.3.10.02.02.02.32	EW02J1090
RL-ER10							X	Compliance Oversight	1.4.10.1.3.10.02.02.02.32.01	EW02J1090
RL-ER10							X	Environmental Restoration Project Support Activities	1.4.10.1.3.10.02.02.02.32.02	EW02J1090
RL-ER10							X	Site-Wide Services/Radiological Monitoring Support - INS Laundry	1.4.10.1.3.10.02.02.02.32.03	EW02J1090
RL-ER10							X	Laundry Support to Environmental Restoration Project	1.4.10.1.3.10.02.02.02.32.04	EW02J1090
RL-ER10							X	Electrical Support to Environmental Restoration Project	1.4.10.1.3.10.02.02.02.32.05	EW02J1090
RL-ER10							X	Service Assessment Pool	1.4.10.1.3.10.02.02.02.32.06	EW02J1090
RL-ER10							X	PNNL Technical Library/Reading Room	1.4.10.1.3.10.02.02.02.32.08	EW02J1090
RL-ER10							X	Benton County Sheriff's Office	1.4.10.1.3.10.02.02.02.32.09	EW02J1090
RL-ER10							X	Natural Resource Damage Assessment Studies/Ecosystems Management	1.4.10.1.3.10.02.02.02.32.10	EW02J1090

PBS#: RL-ER10 - RL

HQ/ERC WBS#: 1.4.10.1.3.10

TITLE: (RL) Environmental Restoration Program Management and Support

**Subproject Strategy**

October 1, 2000

**PBS BUDGET BASELINE TABLE**

CA #	Description	HOURS			\$1,000			
		Non Manual	Manual	Total	Labor	Material/ Eqpt/Other	SC	Total
		FY 2001						
EL2201	Compliance Oversight				0	0	2,176	2,176
EL2202	Environmental Restoration Project Support Activities				0	0	611	611
EL2203	Site-Wide Services/Radiological Monitoring Support - INS Laundry				0	0	1,273	1,273
EL2204	Laundry Support to Environmental Restoration Project				0	0	164	164
EL2205	Electrical Support to Environmental Restoration Project				0	0	405	405
EL2206	Service Assessment Pool				0	0	359	359
EL2208	PNNL Technical Library/Reading Room				0	0	150	150
EL2209	Benton County Sheriff's Office				0	0	122	122
EL2210	Natural Resource Damage Assessment Studies/Ecosystems Manag				0	0	40	40
	Subtotal Program Management - RL				0	0	5,300	5,300
	FY 2001 TOTAL				0	0	5,300	5,300
		FY 2002						
EL2201	Compliance Oversight				0	0	2,234	2,234
EL2202	Environmental Restoration Project Support Activities				0	0	824	824
EL2203	Site-Wide Services/Radiological Monitoring Support - INS Laundry				0	0	1,308	1,308
EL2205	Electrical Support to Environmental Restoration Project				0	0	416	416
EL2206	Service Assessment Pool				0	0	369	369
EL2208	PNNL Technical Library/Reading Room				0	0	154	154
EL2209	Benton County Sheriff's Office				0	0	125	125
	Subtotal Program Management - RL				0	0	5,430	5,430
	FY 2002 TOTAL				0	0	5,430	5,430
		FY 2003						
EL2201	Compliance Oversight				0	0	2,295	2,295
EL2202	Environmental Restoration Project Support Activities				0	0	831	831
EL2203	Site-Wide Services/Radiological Monitoring Support - INS Laundry				0	0	1,343	1,343
EL2205	Electrical Support to Environmental Restoration Project				0	0	427	427
EL2206	Service Assessment Pool				0	0	379	379
EL2208	PNNL Technical Library/Reading Room				0	0	158	158
EL2209	Benton County Sheriff's Office				0	0	128	128
	Subtotal Program Management - RL				0	0	5,561	5,561
	FY 2003 TOTAL				0	0	5,561	5,561

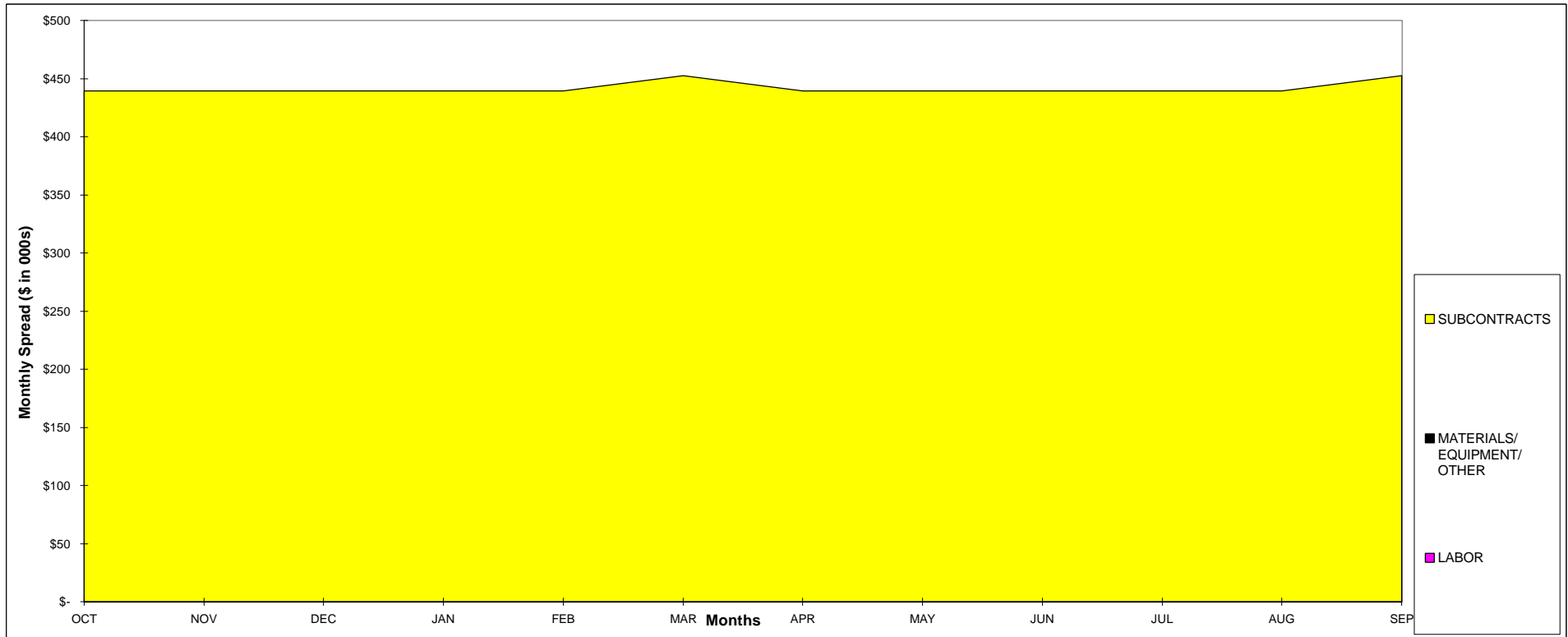
PBS#: ER10 - RL  
 HQ/ERC WBS#: 1.4.10.1.3.10.02  
 TITLE: RL Program Management and Support

## Subproject Strategy

October 1, 2000

### FY 2001 (ADS) BASELINE EXPENDITURE FORECAST

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MATERIALS/ EQUIPMENT/ OTHER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBCONTRACTS	\$ 440	\$ 440	\$ 440	\$ 440	\$ 440	\$ 453	\$ 440	\$ 440	\$ 440	\$ 440	\$ 440	\$ 452	\$ 5,300
BUDGET CURRENT	\$ 440	\$ 440	\$ 440	\$ 440	\$ 440	\$ 453	\$ 440	\$ 440	\$ 440	\$ 440	\$ 440	\$ 452	\$ 5,300
BUDGET BASELINE (DWP)	\$ 440	\$ 440	\$ 440	\$ 440	\$ 440	\$ 453	\$ 440	\$ 440	\$ 440	\$ 440	\$ 440	\$ 452	\$ 5,300
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 440	\$ 440	\$ 440	\$ 440	\$ 440	\$ 453	\$ 440	\$ 440	\$ 440	\$ 440	\$ 440	\$ 452	\$ 5,300
CUMULATIVE EAC	\$ 440	\$ 879	\$ 1,319	\$ 1,758	\$ 2,198	\$ 2,650	\$ 3,090	\$ 3,529	\$ 3,969	\$ 4,408	\$ 4,848	\$ 5,300	\$ 5,300

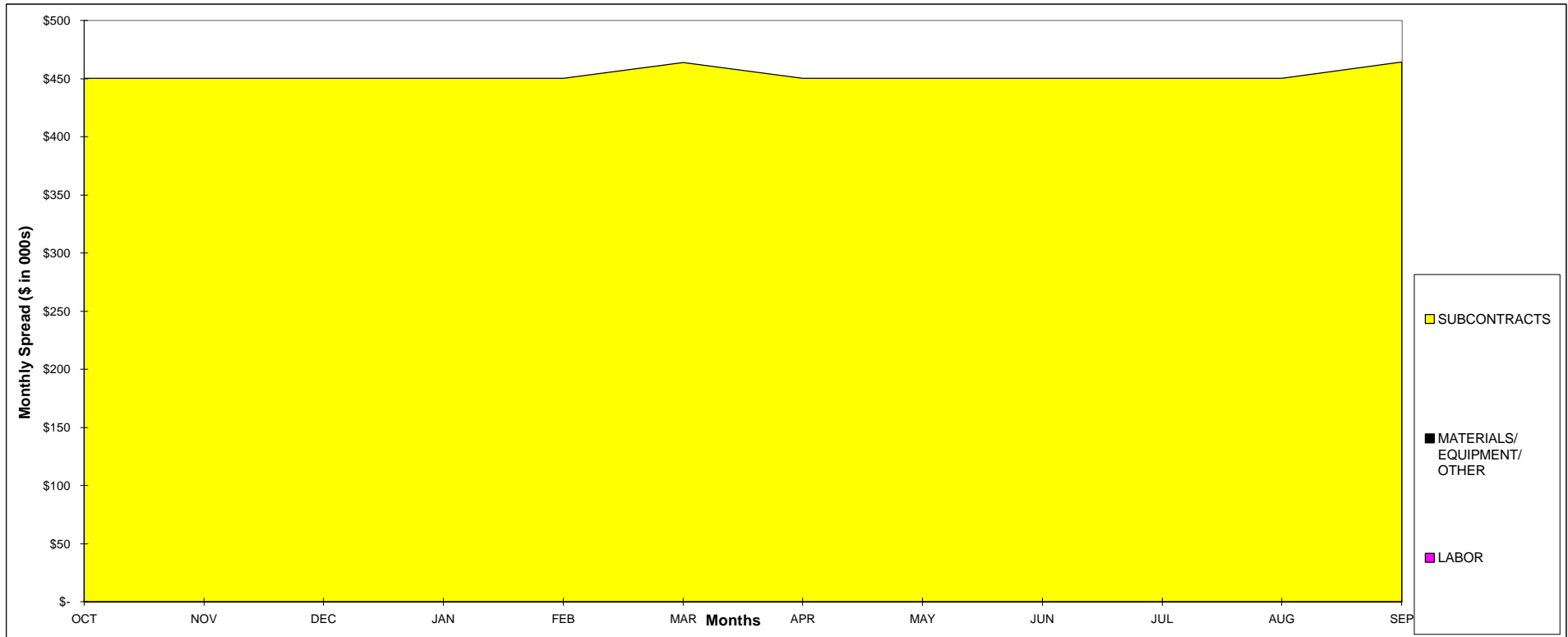
PBS#: ER10 - RL  
 HQ/ERC WBS#: 1.4.10.1.3.10.02  
 TITLE: RL Program Management and Support

## Subproject Strategy

October 1, 2000

### FY 2002 (ADS) BASELINE EXPENDITURE FORECAST

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MATERIALS/ EQUIPMENT/ OTHER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBCONTRACTS	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 464	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 464	\$ 5,430
BUDGET CURRENT	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 464	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 464	\$ 5,430
BUDGET BASELINE (DWP)	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 464	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 464	\$ 5,430
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 464	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 464	\$ 5,430
CUMULATIVE EAC	\$ 450	\$ 900	\$ 1,351	\$ 1,801	\$ 2,251	\$ 2,715	\$ 3,165	\$ 3,615	\$ 4,065	\$ 4,516	\$ 4,966	\$ 5,430	\$ 5,430

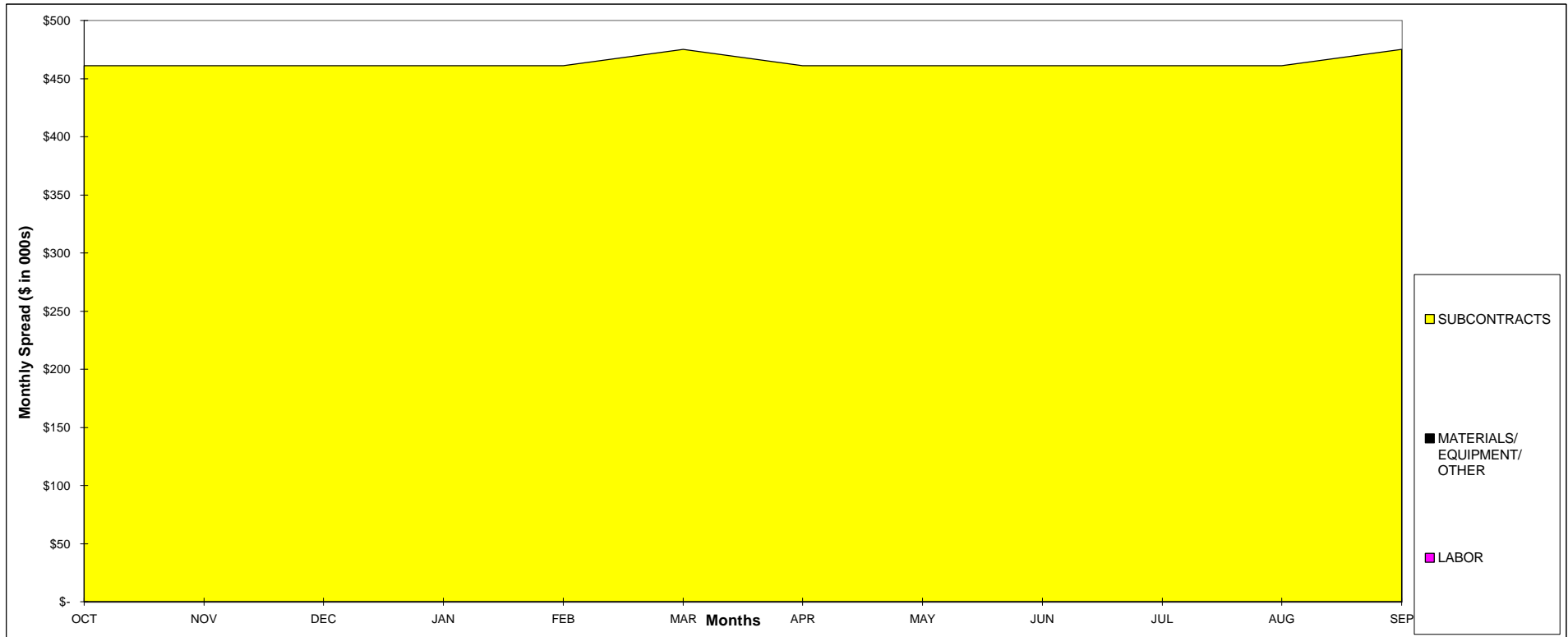
PBS#: ER10 - RL  
 HQ/ERC WBS#: 1.4.10.1.3.10.02  
 TITLE: RL Program Management and Support

## Subproject Strategy

October 1, 2000

### FY 2003 (ADS) BASELINE EXPENDITURE FORECAST

(Dollars in Thousands)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
LABOR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MATERIALS/ EQUIPMENT/ OTHER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBCONTRACTS	\$ 461	\$ 461	\$ 461	\$ 461	\$ 461	\$ 475	\$ 461	\$ 461	\$ 461	\$ 461	\$ 461	\$ 475	\$ 5,561
BUDGET CURRENT	\$ 461	\$ 461	\$ 461	\$ 461	\$ 461	\$ 475	\$ 461	\$ 461	\$ 461	\$ 461	\$ 461	\$ 475	\$ 5,561
BUDGET BASELINE (DWP)	\$ 461	\$ 461	\$ 461	\$ 461	\$ 461	\$ 475	\$ 461	\$ 461	\$ 461	\$ 461	\$ 461	\$ 475	\$ 5,561
ACTUALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MONTHLYFORECAST	\$ 461	\$ 461	\$ 461	\$ 461	\$ 461	\$ 475	\$ 461	\$ 461	\$ 461	\$ 461	\$ 461	\$ 475	\$ 5,561
CUMULATIVE EAC	\$ 461	\$ 922	\$ 1,383	\$ 1,844	\$ 2,306	\$ 2,780	\$ 3,242	\$ 3,703	\$ 4,164	\$ 4,625	\$ 5,086	\$ 5,561	\$ 5,561



PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

### COMPLIANCE OVERSIGHT

EL2201

1.4.10.1.3.10.02.02.02.32.01

## COST ACCOUNT PLAN

### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. H. Zeisloft  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

### WORK DESCRIPTION (Provide general work description of facility/building.)

#### General Description:

Compliance oversight specifically relates to the *Comprehensive Environmental Response, Compensation, and Liabilities Act of 1980* (CERCLA) grant with the Washington State Department of Ecology (Ecology). This work encompasses technical reviews of documents, observing RL's investigative work, conducting ecological studies, confirming adherence to cleanup standards, and evaluating Columbia River data. The work also includes co-reviewing proposed plans and examining applications for new technology.

#### TASKS TO BE PERFORMED IN FY 2001:

See above.

#### TASKS TO BE PERFORMED IN FY 2002:

Same as FY01.

#### TASKS TO BE PERFORMED IN FY 2003:

Same as FY02.

### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

#### Deliverables

#### Date

Not applicable.

### BASIS/ASSUMPTIONS (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

The actual execution year budget is negotiated annually between Ecology and the DOE. Modification of CERCLA grant estimates is anticipated if total ER Project funding changes drastically.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## ***Subproject Strategy***

October 1, 2000

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### **COMPLIANCE OVERSIGHT**

**EL2201**

1.4.10.1.3.10.02.02.02.32.01

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**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

<b>Subcontract</b>	<b>FY</b>	<b>Type of Contract</b>	<b>Scope</b>
Ecology	01	Grant	Regulatory Support
Ecology	02	Grant	Regulatory Support
Ecology	03	Grant	Regulatory Support

PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

ER PROJECT SUPPORT ACTIVITIES

EL2202

1.4.10.1.3.10.02.02.02.32.02

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

ER Project Support activities include contracts and interagency agreements for non-project-specific activities. This includes, but is not limited to the following:

- The ER Project's access to the legal databases LEXIS/NEXIS and FEDLINK.
- Direct support of the U.S. Army Corps of Engineers to the RL Office of Environmental Restoration and Waste Management. This support includes the following:
  - Providing information management systems guidance and oversight.
  - Providing a Hanford Site information management systems interface.
  - Providing oversight of various site data systems sources.
  - Resolving Tri-Party Agreement data management systems issues.
  - Researching information and data management systems issues and technologies.
- Small miscellaneous charges (e.g., late invoice payment penalty fees unanticipated RL or FH "taxes" or fee increases, etc.). These changes are small and difficult to anticipate in most cases.

##### TASKS TO BE PERFORMED IN FY 2001:

See above.

##### TASKS TO BE PERFORMED IN FY 2002:

Same as FY01.

##### TASKS TO BE PERFORMED IN FY 2003:

Same as FY02.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

### ER PROJECT SUPPORT ACTIVITIES

**EL2202**

1.4.10.1.3.10.02.02.02.32.02

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

#### Deliverables

#### Date

Not applicable.

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Not applicable.

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
Multiple	01	Multiple	ER Project support
Multiple	02	Multiple	ER Project support
Multiple	03	Multiple	ER Project support

PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

SITE-WIDE SERVICES/RADIOLOGICAL MONITORING SUPPORT TO INS LAUNDRY

EL2203

1.4.10.1.3.10.02.02.02.32.03

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

- Site-wide services include activities that are performed by FH in support of the entire Hanford Site, and include (but are not limited to) the following:
  - Safety and security
  - Fire department
  - Road maintenance
  - Joint Information Center
  - Property systems
  - Procurement systems
- Radiological monitoring support to Interstate Nuclear Services (INS) laundry which involves providing Health Physics Technician (HPT) monitoring of ER Project protective clothing and equipment.

Reviews of site-wide services provided by FH are ongoing. Major changes as a result of these reviews will be handled through Baseline Change Proposals.

##### TASKS TO BE PERFORMED IN FY 2001:

See above.

##### TASKS TO BE PERFORMED IN FY 2002:

Same as FY01, except that radiological monitoring support to INS moves to PBS TP-13 Landlord.

##### TASKS TO BE PERFORMED IN FY 2003:

Same as FY02.

PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

SITE-WIDE SERVICES/RADIOLOGICAL MONITORING SUPPORT TO INS LAUNDRY

EL2203

1.4.10.1.3.10.02.02.02.32.03

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

### Deliverables

### Date

Not applicable.

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Assumes changes in contracting strategy will not affect site-wide services rates. Assumes same level of radiological support to INS laundry in FY01, as historically provided, and assumes this support moves to PBS TP-13 Landlord in FY02.

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
FH	01		Site-wide services/radiological monitoring support to laundry
FH	02		Site-wide services
FH	03		Site-wide services

PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

LAUNDRY SUPPORT TO ER PROJECT

EL2204

1.4.10.1.3.10.02.02.02.32.04

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

INS provides laundry support for the ER Project's protective clothing and equipment.

##### TASKS TO BE PERFORMED IN FY 2001:

See above.

##### TASKS TO BE PERFORMED IN FY 2002:

None. Work transfers to PBS TP-13 Landlord.

##### TASKS TO BE PERFORMED IN FY 2003:

None. Work transfers to PBS TP-13 Landlord.

#### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

##### Deliverables

##### Date

Not applicable.

#### BASIS/ASSUMPTIONS (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Assumes same level of laundry support in FY01 as historical trends. Assumes laundry transitions to PBS TP-13 Landlord starting in FY02.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## ***Subproject Strategy***

October 1, 2000

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### **LAUNDRY SUPPORT TO ER PROJECT**

**EL2204**

1.4.10.1.3.10.02.02.02.32.04

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**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

<b>Subcontract</b>	<b>FY</b>	<b>Type of Contract</b>	<b>Scope</b>
INS	01		PPE Laundry



PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

ELECTRICAL SUPPORT TO ER PROJECT

EL2205

1.4.10.1.3.10.02.02.02.32.05

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

Electricity is provided to the Hanford Site by the Bonneville Power Administration (BPA).

##### TASKS TO BE PERFORMED IN FY 2001:

See above.

##### TASKS TO BE PERFORMED IN FY 2002:

Same as FY01.

##### TASKS TO BE PERFORMED IN FY 2003:

Same as FY02.

#### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

##### Deliverables

##### Date

Not applicable.

#### BASIS/ASSUMPTIONS (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Not applicable.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## ***Subproject Strategy***

October 1, 2000

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### **ELECTRICAL SUPPORT TO ER PROJECT**

**EL2205**

1.4.10.1.3.10.02.02.02.32.05

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**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

<b>Subcontract</b>	<b>FY</b>	<b>Type of Contract</b>	<b>Scope</b>
BPA	01	Inter-Agency Agreement	Electricity
BPA	02	Inter-Agency Agreement	Electricity
BPA	03	Inter-Agency Agreement	Electricity

PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

SERVICE ASSESSMENT POOL

EL2206

1.4.10.1.3.10.02.02.02.32.06

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

These costs are associated with Hanford site-wide assessments for the Hanford Energy Management Program, court reporter fees, Joint Information Center costs (etc.).

##### TASKS TO BE PERFORMED IN FY 2001:

See above.

##### TASKS TO BE PERFORMED IN FY 2002:

Same as FY01.

##### TASKS TO BE PERFORMED IN FY 2003:

Same as FY02.

#### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

##### Deliverables

##### Date

Not applicable.

#### BASIS/ASSUMPTIONS (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Assumes changes in contracting strategies will not affect SAP rates.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## ***Subproject Strategy***

October 1, 2000

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### **SERVICE ASSESSMENT POOL**

**EL2206**

1.4.10.1.3.10.02.02.02.32.06

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**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

<b>Description</b>	<b>FY</b>	<b>Scope</b>
Assessment	01	ER Project assessment
Assessment	02	ER Project assessment
Assessment	03	ER Project assessment

PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

PNNL TECHNICAL LIBRARY/READING ROOM

EL2208

1.4.10.1.3.10.02.02.02.32.08

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

The Pacific Northwest National Laboratory (PNNL) provides the ER Project with access to their technical library and reading room.

##### TASKS TO BE PERFORMED IN FY 2001:

See above.

##### TASKS TO BE PERFORMED IN FY 2002:

Same as FY01.

##### TASKS TO BE PERFORMED IN FY 2003:

Same as FY02.

#### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

##### Deliverables

##### Date

Not applicable.

#### BASIS/ASSUMPTIONS (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Not applicable.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## ***Subproject Strategy***

October 1, 2000

**PNNL TECHNICAL LIBRARY/READING ROOM**

**EL2208**

1.4.10.1.3.10.02.02.02.32.08

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

<b>Description</b>	<b>FY</b>	<b>Scope</b>
PNNL	01	Technical Library and Reading Room
PNNL	02	Technical Library and Reading Room
PNNL	03	Technical Library and Reading Room

PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

BENTON COUNTY SHERIFF'S OFFICE

EL2209

1.4.10.1.3.10.02.02.02.32.09

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. M. Nelson  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

This account pays for the ER Project's share of policing activities at the Hanford Site.

##### TASKS TO BE PERFORMED IN FY 2001:

See above.

##### TASKS TO BE PERFORMED IN FY 2002:

Same as FY01.

##### TASKS TO BE PERFORMED IN FY 2003:

Same as FY02.

#### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

##### Deliverables

##### Date

Not applicable.

#### BASIS/ASSUMPTIONS (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Not applicable.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## ***Subproject Strategy***

October 1, 2000

**BENTON COUNTY SHERIFF'S OFFICE**

**EL2209**

1.4.10.1.3.10.02.02.02.32.09

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

<b>Subcontract</b>	<b>FY</b>	<b>Type of Contract</b>	<b>Scope</b>
Benton County Sheriff	01		Policing
Benton County Sheriff	02		Policing
Benton County Sheriff	03		Policing



PBS#: RL-ER10  
HQ/ERC WBS#: 1.4.10.1.3.10  
TITLE: Environmental Restoration Program Management and Support

## Subproject Strategy

October 1, 2000

NATURAL RESOURCE DAMAGE ASSESSMENT STUDIES/ECOSYSTEM MANAGEMENT

EL2210

1.4.10.1.3.10.02.02.02.32.10

### COST ACCOUNT PLAN

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. M. Nelson  
DOE-RL: J. H. Zeisloft  
Project Engineer: N/A  
Field Support: N/A  
QS&H: N/A  
Project Controls: A. K. Smet  
PSS Rep: N/A  
Other: N/A

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

This functional area covers aquatic studies being performed for RL with the assistance of the U.S. Fish and Wildlife Services and PNNL.

##### TASKS TO BE PERFORMED IN FY 2001:

Small follow-on aquatic studies may be required in FY01.

##### TASKS TO BE PERFORMED IN FY 2002:

None.

##### TASKS TO BE PERFORMED IN FY 2003:

None.

#### MAJOR PRODUCTS AND DELIVERABLES (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

##### Deliverables

##### Date

Not applicable.

#### BASIS/ASSUMPTIONS (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

Assumes limited follow-on aquatics studies in FY01.

**PBS#:** RL-ER10  
**HQ/ERC WBS#:** 1.4.10.1.3.10  
**TITLE:** Environmental Restoration Program Management and Support

## ***Subproject Strategy***

October 1, 2000

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**NATURAL RESOURCE DAMAGE ASSESSMENT STUDIES/ECOSYSTEM MANAGEMENT**

**EL2210**

1.4.10.1.3.10.02.02.02.32.10

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**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

<b>Description</b>	<b>FY</b>	<b>Scope</b>
Other	01	Follow-on aquatic studies

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